



SERIES **4**
403

SERIES **4**
4003

SERIES **5**
5003

User Manual



imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register
your product at

www.samsung.com/register

Model _____ Serial No. _____

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Important Warranty Information Regarding Television Format Viewing

See the warranty card for more information on warranty terms.

Wide screen format LCD/LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LCD/LED Displays that leave subtle, but permanent burned-in ghost images in the LCD/LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LCD/LED models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven LCD/LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

For the location of a SAMSUNG Authorized Service Center, please call toll-free:

- In the United States : 1-800-SAMSUNG (1-800-726-7864)
- In Canada : 1-800-SAMSUNG

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 image format, stock or news bars at screen bottom etc.) on the screen. Constant displaying of still pictures can cause ghosting of LCD/LED screen, which will affect image quality. To reduce risk of this effect, please follow below recommendations:

- Avoid displaying the same TV channel for long periods.
- Always try to display any image on full screen, use TV set picture format menu for best possible match.
- Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.
- Frequently use all TV features designed to reduce image retention and screen burnout, refer to proper user manual section for details.

Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.

Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

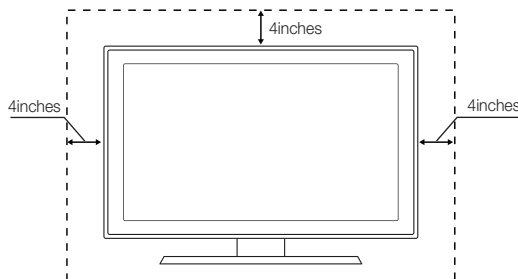
When using a stand or wall-mount, use parts provided by Samsung Electronics only.

- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.

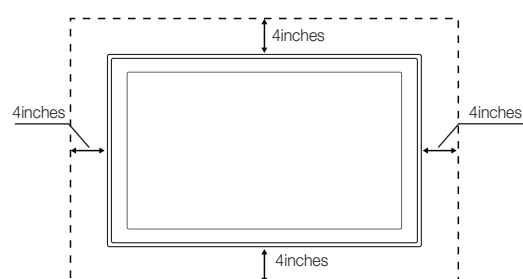
The appearance may differ depending on the product.

Be careful when you contact the TV because some parts can be somewhat hot.

Installation with a stand.



Installation with a wall-mount.



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Check the Symbol!



TOOLS

This function can be used by pressing the **TOOLS** button on the remote control.



Note :
Important information





Step by step guide :
Informs you how to access the menu.

Getting Started

List of Features

- **Excellent Digital Interface & Networking :** With a built-in HD digital tuner, nonsubscription HD broadcasts can be viewed without a cable box / STB (Set-Top-Box) satellite receiver.
- **Media Play:** Allows you to play music files, and pictures saved on a USB device. (P. 21)
- **Self Diagnosis:** You can check picture and sound operation. (P. 20)

Accessories

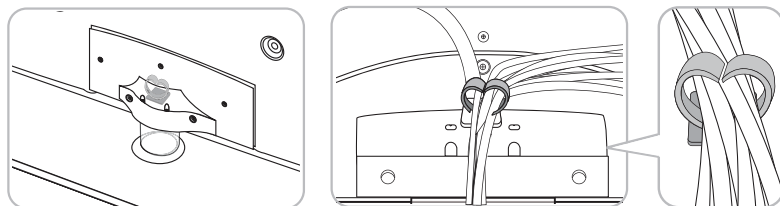
-  Please make sure the following items are included with your TV. If any items are missing, contact your dealer.
-  The items' colors and shapes may vary depending on the models.

- | | |
|--|--------------------------------|
| ■ Remote Control (BN59-01006A) & Batteries (AAA x 2) | ■ Cleaning Cloth (BN63-01798B) |
| ■ Warranty Card / Safety Guide / Quick Setup Guide | ■ Power Cord |
| ■ Owner's Instructions | |



Holder wire stand
(UN40D5003BF Model only)

Assembling Holder-wire stand (UN40D5003BF Model only)



Input Cables (Sold Separately)



HDMI



HDMI-DVI



Component



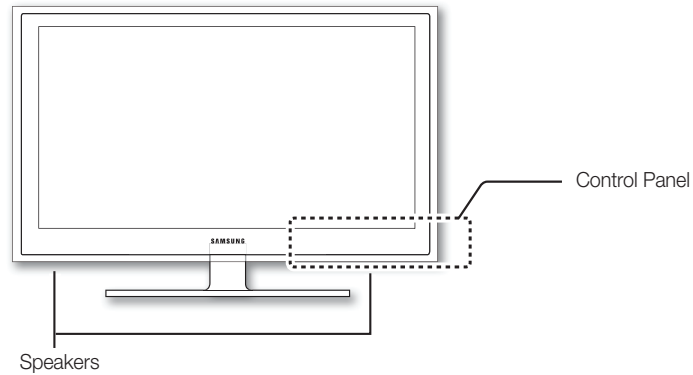
Composite (AV)






Coaxial (RF)

Viewing the Control Panel

 The product color and shape may vary depending on the model.



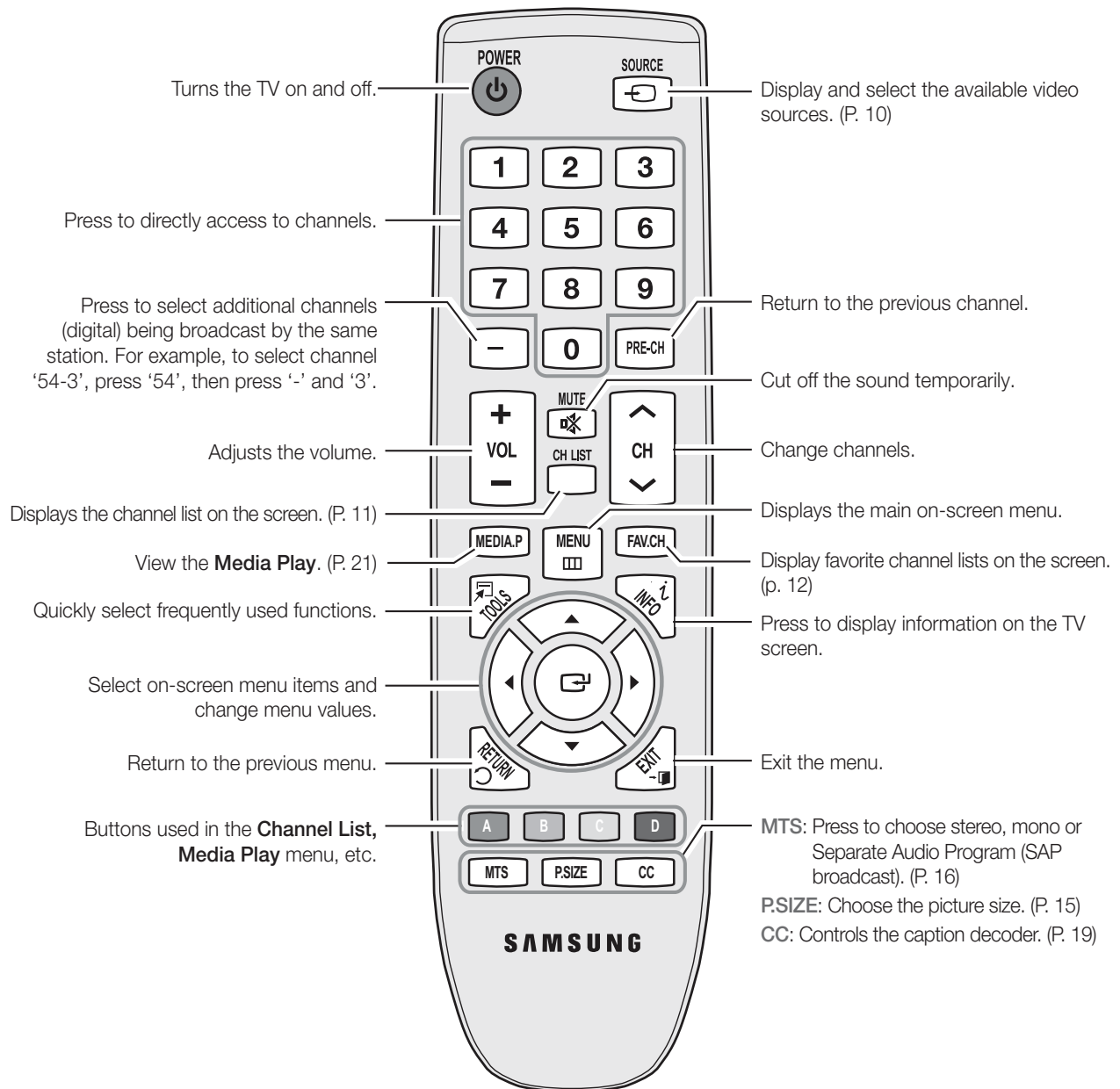
 (Power)	Press to turn the TV on and off.
Remote control sensor	Aim the remote control towards this spot on the TV.
SOURCE 	Toggles between all the available input sources. In the on-screen menu, use this button as you would use the ENTER  button on the remote control.
MENU	Displays an on-screen menu of your TV's features.
– VOL +	Adjusts the volume. In the on-screen menu, use the – VOL + buttons as you would use the ◀ and ▶ buttons on the remote control.
▼ CH ▲	Changes the channels. In the on-screen menu, use the ▼ and ▲ buttons as you would use the ▼ and ▲ buttons on the remote control.
Power Indicator	Blinks and turns off when the power is on and lights up in standby mode.

Standby mode

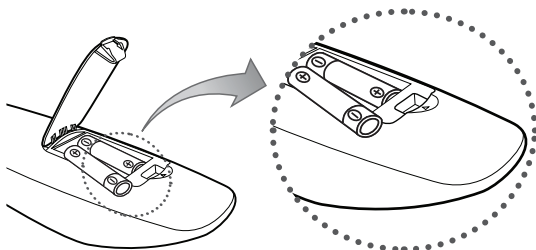
Do not leave your TV in standby mode for long periods of time (when you are away on a holiday, for example). A small amount of electric power is still consumed even when the power button is turned off. It is best to unplug the power cord.

Getting Started

Viewing the Remote Control



Installing batteries (Battery size: AAA)




NOTE

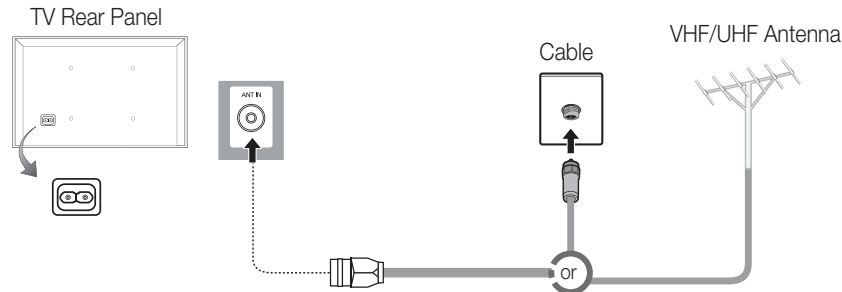
- Use the remote control within 23 feet from TV.
- Bright light may affect the performance of the remote control. Avoid use when nearby fluorescent lights or neon signs.
- The Color and shape may vary depending on the model.

Connecting to an Antenna

When the TV is initially powered on, basic settings proceed automatically.

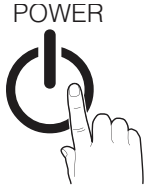



 Connecting the power cord and antenna.

 The position of power input port may differ depending on the model.




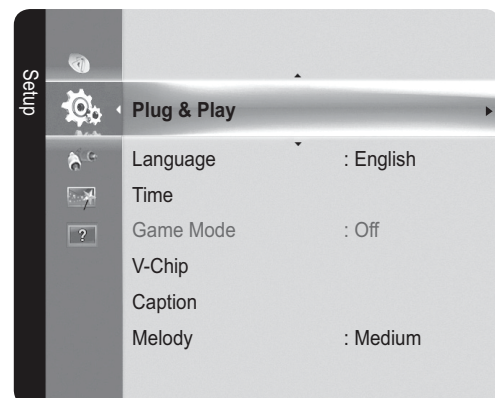
Plug & Play (Initial Setup)

When the TV is initially powered on, a sequence of on-screen prompts will assist in configuring basic settings. Press the **POWER** button. **Plug & Play** is available only when the **Input** source is set to TV.

1	Selecting a language	Press the ▲ or ▼ button, then press the ENTER button. Select the desired OSD (On Screen Display) language.	
2	Selecting Store Demo or Home Use	Press the ◀ or ▶ button, then press the ENTER button. <ul style="list-style-type: none"> Select the Home Use mode. Store Demo Mode is for retail environments. To return the unit's settings from Store Demo to Home Use (standard): Press the volume button on the TV. When you see the volume in the OSD, press and hold MENU for 5 sec. 	
3	Selecting an antenna	Press the ▲ or ▼ button, then press the ENTER button. Select Air , Cable or Auto .  In Cable mode, you can select the correct signal source among STD , HRC , and IRC by pressing the ▲, ▼, ◀ or ▶ button, then press the ENTER button.	
4	Selecting a channel	The channel search will start automatically. For more information, refer to Channel → Auto Program . (P. 12)  Press the ENTER button at any time to interrupt the memorization process.	
5	Setting the Clock Mode	Set the Clock Mode automatically or manually.  If you select the Auto , set the daylight saving time. Select the time zone where you live.	
6	Viewing the HD Connection Guide	The connection method for the best HD screen quality is displayed.	
7	Enjoy your TV.	Press the ENTER button.	

If You Want to Reset This Feature...

 **MENU** → **Setup** → **Plug & Play** → **ENTER**



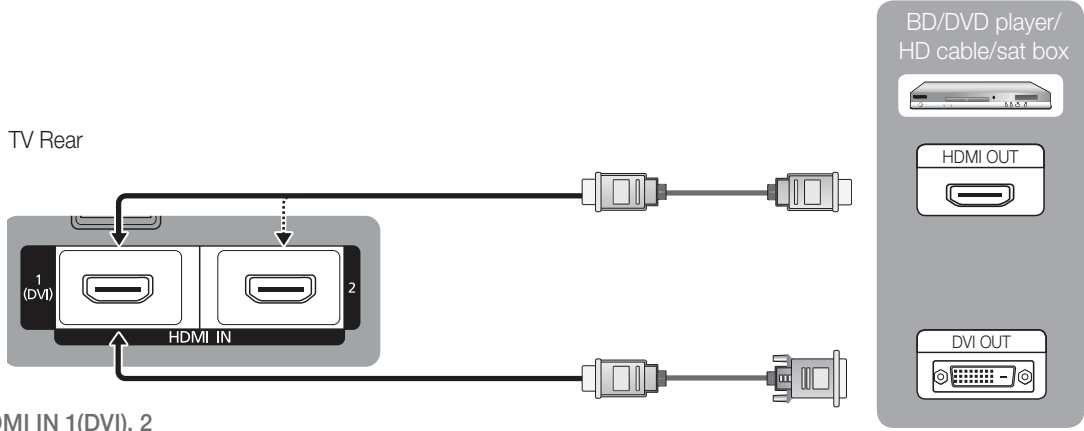
Connections

Connecting to an AV Device

Using an HDMI cable or HDMI to DVI Cable: HD connection (up to 1080p)

We recommend using the HDMI connection for the best quality HD picture.

Available devices: DVD, Blu-ray player, HD cable box, HD STB (Set-Top-Box) satellite receiver



TV Rear


BD/DVD player/
HD cable/sat box

HDMI OUT

DVI OUT

HDMI IN

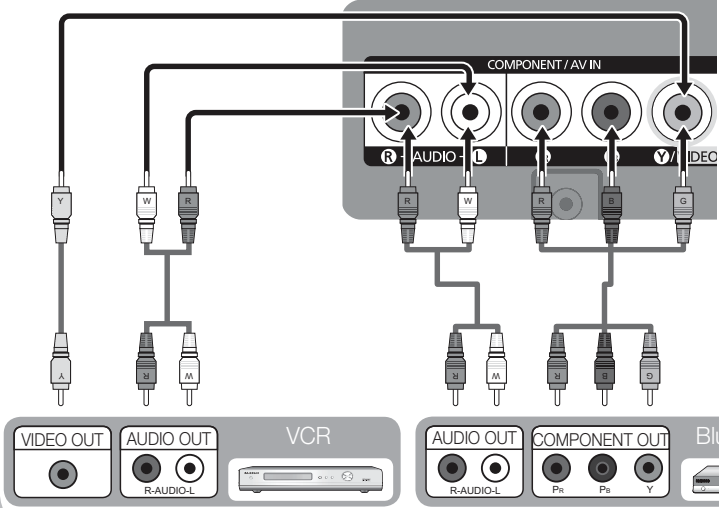
1 (DVI) 2

 **HDMI IN 1(DVI), 2**

- When using an HDMI/DVI cable connection, you must use the **HDMI/DVI IN** jack for video. A DVD, Blu-ray player, HD cable box, HD STB satellite receiver, cable box, or STB satellite receiver may require a DVI-HDMI (DVI to HDMI) cable or DVI-HDMI (DVI to HDMI) adapter.
- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- If an HDMI to DVI cable is connected to the **HDMI IN 1(DVI)** port, the audio does not work.

Using a Component Cable: (up to 1080p), Using an Audio/Video Cable: (480i only)

Available devices: DVD, Blu-ray player, cable box, STB satellite receiver, VCR



TV Rear

COMPONENT / AV IN

AUDIO IN

Y R B W

Pr Pb Y

VCR

Blu-ray player

VIDEO OUT

AUDIO OUT


R-AUDIO-L


AUDIO OUT

R-AUDIO-L

COMPONENT OUT

Pr Pb Y

 When connecting to **AV IN**, the color of the **AV IN [Y/VIDEO]** jack (Green) does not match the color of the video cable (Yellow).

 For better picture quality, the Component connection is recommended over the A/V connection.

Y R W R B G

Yellow Red White Red Blue Green

Display Modes (HDMI/DVI Input)

19", 26", 32" : Optimal resolution is 1360x768@60Hz.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+ / -
	720 x 400	31.469	70.087	28.322	- / +
MAC	640 x 480	35.000	66.667	30.240	- / -
	832 x 624	49.726	74.551	57.284	- / -
VESA DMT	640 x 480	31.469	59.940	25.175	- / -
		37.861	72.809	31.500	- / -
		37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
		48.077	72.188	50.000	+ / +
		46.875	75.000	49.500	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
		56.476	70.069	75.000	- / -
		60.023	75.029	78.750	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +

Display Modes (HDMI/DVI Input)

22", 40" : Optimal resolution is 1920 x 1080@60Hz.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 800	62.795	74.934	106.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1360 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1440 x 900	70.635	74.984	136.750	-/+
	1680 x 1050	65.290	59.954	146.250	-/+
VESA DMT / DTV CEA	1920 x 1080p	67.500	60.000	148.500	+/+

Connections

NOTE

- For HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.
- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.
- PC(D-Sub) input is not supported.
- If an HDMI to DVI cable is connected to the **HDMI IN 1(DVI)** port, the audio does not work.

SERVICE



Connector for service only.

Changing the Input source




Source List



MENU  → **Input** → **Source List** → **ENTER** 

Use to select TV or an external input sources such as a DVD / Blu-ray player / cable box / STB satellite receiver.

■ TV / AV / Component / HDMI1/DVI / HDMI2

-  You can only choose external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted.
-  PC(D-Sub) input is not supported. If you want to connect PC to the TV, use **HDMI1/DVI** input.
-  You can use the **Edit Name** and **Information** when you press the **TOOLS** button in the **Source List**.



Information




You can see detailed information about the selected external device.

Edit Name



MENU  → **Input** → **Edit Name** → **ENTER** 

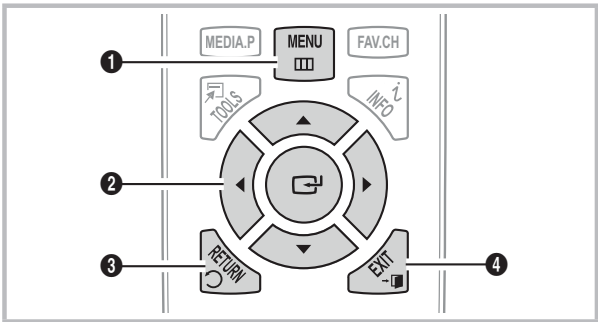
■ VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI / TV / IPTV / Blu-ray / HD DVD / DMA: Name the device connected to the input jacks to make your input source selection easier.

-  When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI cable, you should set the TV to **PC** mode under **Edit Name**.
-  When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI PC** mode under **Edit Name**.
-  When connecting an AV devices to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI** mode under **Edit Name**.

Basic Features

How to Navigate Menus

Before using the TV, follow the steps below to learn how to navigate the menu and select and adjust different functions.



- 1 **MENU** button: Displays the main on-screen menu.
- 2 **ENTER** / **Direction** button: Move the cursor and select an item. Confirm the setting.
- 3 **RETURN** button: Returns to the previous menu.
- 4 **EXIT** button: Exits the on-screen menu.

How to Operate the OSD (On Screen Display)

The access step may differ depending on the selected menu.

1	MENU	The main menu options appear on the screen: Picture, Sound, Channel, Setup, Input, Application, Support.
2	▲ / ▼	Select an icon with the ▲ or ▼ button.
3	ENTER	Press ENTER to access the sub-menu.
4	▲ / ▼	Select the desired submenu with the ▲ or ▼ button.
5	◀ / ▶	Adjust the value of an item with the ◀ or ▶ button. The adjustment in the OSD may differ depending on the selected menu.
6	ENTER	Press ENTER to confirm the selection.
7	EXIT	Press EXIT .

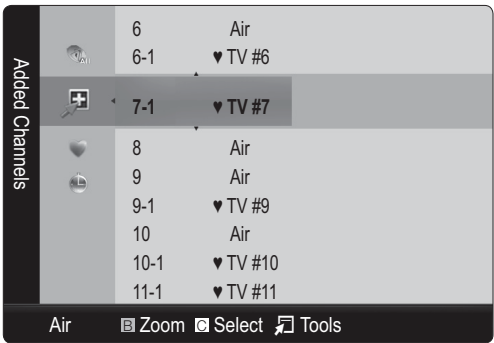
Channel Menu

Seeing Channels

Channel List

MENU → **Channel** → **Channel List** → **ENTER**

Add, delete or set Favorite channels and use the program guide for digital broadcasts. Select a channel in the **All Channels**, **Added Channels**, **Favorite** or **Programmed** screen by pressing the **▲ / ▼** buttons, and pressing the **ENTER** button. Then you can watch the selected channel.






- All Channels:** Shows all currently available channels.
 - Added Channels:** Shows all added channels.
 - Favorite:** Shows all favorite channels.
 - Programmed:** Shows all currently reserved programs.
- Using the color buttons with the **Channel List**
- Green (Zoom):** Enlarges or shrinks a channel number.
 - Yellow (Select):** Selects multiple channel lists. Select desired channels and press the Yellow button to set all the selected channels at the same time. The **✓** mark appears to the left of the selected channels.
 - (Tools):** Displays the **Channel List** option menu. (The Options menus may differ depending on the situation.)

Channel Status Display Icons

Icons	Operations
✓	A channel selected.
♥	A channel set as a Favorite.
🕒	A reserved program.
📺	A program currently being broadcast.

Basic Features

Using Favorite Channels

 MENU  → Channel → Channel List → ENTER 

♥ Add to Favorite / Delete from Favorite

Set channels you watch frequently as Favorites.

1. Select a channel and press the **TOOLS** button.
2. Add or delete a channel using the **Add to Favorite** or **Delete from Favorite** menu respectively.



Memorizing channels

 MENU  → Channel → ENTER 

Antenna (Air / Cable)

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).


Auto Program

- **Air:** Air antenna signal.
- **Cable:** Cable antenna signal.
- **Auto:** Air and Cable antenna.




NOTE

- When selecting the Cable TV system: Selects the cable system. **STD**, **HRC** and **IRC** identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point, the signal source has been selected.
- After all the available channels are stored, it starts to remove scrambled channels. The **Auto Program** menu then reappears.

How to Stop Auto Programming

1. Press the **ENTER**  button.
2. A message will ask **Stop Auto Program?** Select **Yes** by pressing the ◀ or ▶ button.
3. Press the **ENTER**  button.

Editing channels

 MENU  → Channel → Channel List → ENTER 

Channel Name Edit

1. Select a channel and press the **TOOLS** button.
 2. Edit the channel name using the **Channel Name Edit** menu.
- **Channel Name Edit** (analog channels only): Assign your own channel name.




Other Features

 MENU  → Channel → ENTER 




Clear Scrambled Channel

This function is used to filter out scrambled channels after Auto Program is completed. This process may take up to 20~30 minutes.

How to Stop Searching Scrambled Channels






1. Press the **ENTER**  button to select **Stop**.
 2. Press the ◀ button to select **Yes**.
 3. Press the **ENTER**  button.
-  This function is only available in **Cable** mode.

Channel List

 MENU  → Channel → Channel List → ENTER 

Channel List Option Menu


Set each channel using the Channel List menu options (**Add/ Delete, Timer Viewing, Select All/ Deselect All, Auto Program**). Option menu items may differ depending on the channel status.

1. Select a channel and press the **TOOLS** button.
 2. Select a function and change its settings.
- **Add / Delete:** Delete or add a channel to display the channels you want.
 -  **NOTE**
 - All deleted channels will be shown on the **All Channels** menu.
 - A gray-colored channel indicates the channel has been deleted.
 - The **Add** menu only appears for deleted channels.
 - Delete a channel from the **Added Channels** or **Favorite** menu in the same manner.
 - **Timer Viewing:** You can set a desired channel to be displayed automatically at the set time; even when you are watching another channel. Set the current time first to use this function. (P. 17)
 1. Press the ◀ / ▶ / ▲ / ▼ buttons to select the desired channel in **Channel List**.
 2. Press the **TOOLS** button, then select **Timer Viewing**.
 3. Scroll up or down to adjust the settings in the box, or use the numeric buttons on your remote for entering the date and time.
 -  If you selected **Once, Everyday, Every Week, Mon~Fri, Mon~Tue, Wed~Thu, or Sat~Sun in Repeat**, you can enter the date you want.
 4. Press the ENTER  button when done.
 -  **NOTE**
 - Only memorized channels can be reserved.
 - Reserved programs will be displayed in the **Programmed** menu.
 - When a digital channel is selected, press the ▶ button to view the digital program.
 - **Select All:** Select all the channels in the channel list.
 - **Deselect All:** Deselect all the selected channels.
 -  You can only select **Deselect All** when one or more channels are selected.
 - **Auto Program:** Scans for a channel automatically and stores in the TV. (P.12)

Programmed

(in **Channel List**)



You can view, modify or delete a show you have reserved to watch.

1. Press the ENTER  button to select **Channel List**.
 2. Press the ◀ and ▼ button to move the **Programmed** menu and press the **TOOLS** button.
- **Change Info:** Change a show you have reserved to watch.
 - **Cancel Schedules:** Cancel a show you have reserved to watch.
 - **Information:** Display a show you have reserved to watch. (You can also change the reservation Information.)
 - **Select All / Deselect All:** You can select or deselect all channels in the channel list.

Fine Tune

(analog channels only)

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually.

- Select **Fine Tune** in the **Channel** menu.
-  Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.
-  To reset the fine-tuning, select **Reset**.

Basic Features

Picture Menu

Changing the Preset Picture Mode

 MENU  → Picture → Mode → ENTER 

Mode

Select your preferred picture type.

- **Dynamic:** Suitable for a bright room.
- **Standard:** Suitable for a normal environment.
- **Movie:** Suitable for watching movies in a dark room.

Adjusting picture settings

 MENU  → Picture → ENTER 

Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)




Your television has several setting options for picture quality control.

NOTE

- When you make changes to **Backlight, Contrast, Brightness, Sharpness, Color** or **Tint (G/R)**, the OSD will be adjusted accordingly.
- Settings can be adjusted and stored for each external device connected to the TV.
- Lowering picture brightness reduces power consumption.

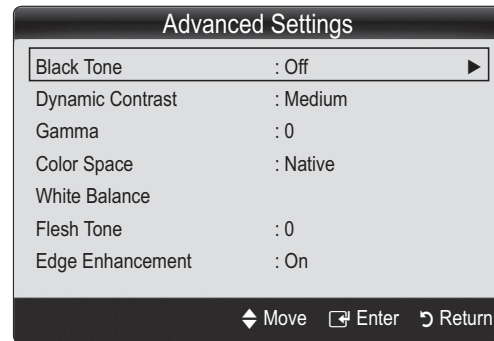
Changing the Picture Options

Advanced Settings

 MENU  → Picture → Advanced Settings → ENTER 


(available in **Standard / Movie** mode)

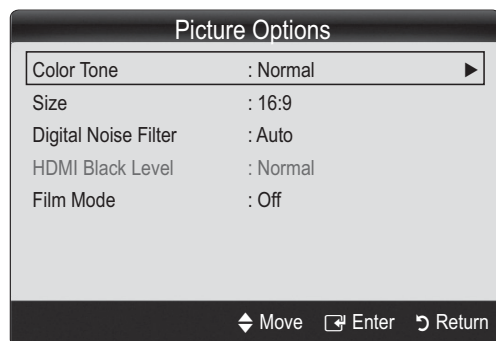
Compared to previous models, new Samsung TVs have a more precise picture.





- **Black Tone (Off / Dark / Darker / Darkest):** Select the black level to adjust the screen depth.
- **Dynamic Contrast (Off / Low / Medium / High):** Adjust the screen contrast.
- **Gamma:** Adjust the primary color intensity.
- **Color Space (Auto / Native):** Adjust the range of colors available to create the image.
- **White Balance:** Adjust the color temperature for a more natural picture.
R-Offset / G-Offset / B-Offset: Adjust each color's (red, green, blue) darkness.
R-Gain / G-Gain / B-Gain: Adjust each color's (red, green, blue) brightness.
Reset: Resets the **White Balance** to its default settings.
- **Flesh Tone:** Emphasize pink "flesh tone".
- **Edge Enhancement (Off / On):** Emphasize object boundaries.

Picture Options

 MENU  → Picture → Picture Options →
ENTER 



■ Color Tone (Cool / Normal / Warm1 / Warm2)

-  **Warm1 or Warm2** will be activated when the picture mode is **Movie**.
-  Settings can be adjusted and stored for each external device connected to an input on the TV.

■ Size: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use 16:9 mode most of the time.


16:9: Sets the picture to 16:9 wide mode.

Zoom1: Use for moderate magnification.

Zoom2: Use for a stronger magnification.








Wide Fit: Enlarges the aspect ratio of the picture to fit the entire screen.

4:3: Sets the picture to basic (4:3) mode.

-  Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which are not covered by the warranty.

Screen Fit: Displays the full image without any cut-off when HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) signals are input.

NOTE

- After selecting **Zoom1**, **Zoom2** or **Wide Fit**:
 1. Press the  button to select **Position**.
 2. Press the ENTER  button.
 3. Press the  or  button to move the picture up or down.
 4. Press the ENTER  button.
 5. Press the  button to select **Reset**.
 6. Press the ENTER  button to reset the picture to its default position.




- HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720)
- Settings can be adjusted and stored for each external device you have connected to an input on the TV.

Input Source	Picture Size
ATV, AV, Component (480i, 480p)	16:9, Zoom1, Zoom2, 4:3
DTV(1080i), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)	16:9, 4:3, Wide Fit, Screen Fit

■ Digital Noise Filter (Off / Low / Medium / High / Auto)


If the broadcast signal received by your TV is weak, you can activate the **Digital Noise Filter** feature to reduce any static and ghosting that may appear on the screen.

-  When the signal is weak, try other options until the best picture is displayed.

■ HDMI Black Level (Low / Normal): Selects the black level on the screen to adjust the screen depth.

-  Available only in HDMI mode (RGB signals).

■ Film Mode (Off / Auto): Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for optimum quality.

-  Available in ATV, DTV(interlace), AV, COMPONENT (480i / 1080i) and HDMI (1080i).

Picture Reset (Reset Picture Mode / Cancel)



Resets your current picture mode to it's default settings.

- **Reset Picture Mode:** Returns all picture values in the currently selected mode to the default settings.

Basic Features

Sound Menu




Changing the Preset Sound Mode

 MENU  → Sound → Mode → ENTER 

Mode

- **Standard:** Selects the normal sound mode.
- **Music:** Emphasizes music over voices.
- **Movie:** Provides the best sound for movies.
- **Clear Voice:** Emphasizes voices over other sounds.
- **Custom:** Recalls your customized sound settings.

Adjusting sound settings

 MENU  → Sound → Equalizer → ENTER 

Equalizer

Adjusts the sound mode.

- **Mode:** Selects the sound mode among the predefined settings.
- **Balance:** Adjusts the balance between the right and left speaker.
- **100Hz / 300Hz / 1KHz / 3KHz / 10KHz** (Bandwidth Adjustment): Adjusts the level of specific bandwidth frequencies.
- **Reset:** Resets the equalizer to its default settings.

Sound Settings

 MENU  → Sound → ENTER 

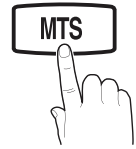
SRS TruSurround HD (Off / On)


SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

Preferred Language

(digital channels only)

Digital-TV broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).




-  You can only select a language among the ones being broadcasted.

Multi-Track Sound (MTS)

(analog channels only)

- **Mono:** Choose for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal.
- **Stereo:** Choose for channels that are broadcasting in stereo.
- **SAP:** Choose to listen to the Separate Audio Program, which is usually a foreign-language translation.



-  Depending on the particular program being broadcast, you can listen to **Mono**, **Stereo** or **SAP**.

Auto Volume (Off / On)

Because each broadcasting station has its own signal conditions, the volume may fluctuate each time channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.


Sound Reset (Reset All / Reset Sound Mode / Cancel)

- **Reset All:** Resets all sound settings to the factory defaults.
- **Reset Sound Mode:** Returns all sound values in the currently selected mode to the default settings


Setting the Time

 MENU  → Setup → Time → ENTER 

Time


 The current time will appear every time you press the INFO button.

- **Clock:** Setting the clock is for using various timer features of the TV.


 If you disconnect the power cord, you have to set the clock again.

Clock Mode: Set up the current time manually or automatically.

- **Auto:** Set the current time automatically using the time from the digital channel.


 The antenna must be connected in order to set the time automatically.

- **Manual:** Set the current time manually.


 Depending on the broadcast station and signal, the auto time set up may not be correct. In this case, set the time manually.

Clock Set: Set the **Month, Day, Year, Hour, Minute** and **am/pm**.


 Available only when **Clock Mode** is set to **Manual**.

 You can set the **Month, Day, Year, Hour** and **Minute** directly by pressing the number buttons on the remote control.




Time Zone: Select your time zone.


 This function is only available when the **Clock Mode** is set to **Auto**.

DST (Daylight Saving Time) (Off / On / Auto): Switches the Daylight Saving Time function on or off.

 This function is only available when the **Clock Mode** is set to **Auto**.

Using the Sleep Timer

 MENU  → Setup → Time → Sleep Timer → ENTER 

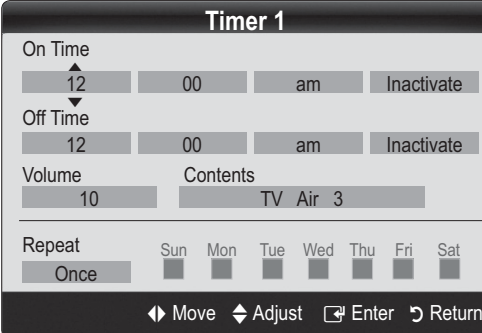
- **Sleep Timer**  : Automatically shuts off the TV after a preset period of time. (30, 60, 90, 120, 150 and 180 minutes).

 To cancel the **Sleep Timer**, select **Off**.

Setting the On/Off Timer

 MENU  → Setup → Time → Timer 1 → ENTER 

- **Timer 1 / Timer 2 / Timer 3:** Three different on / off timer settings can be made. You must set the clock first.



Timer 1

On Time
12 00 am Inactivate

Off Time
12 00 am Inactivate

Volume Contents
10 TV Air 3

Repeat
Once Sun Mon Tue Wed Thu Fri Sat

◀ Move ▶ Adjust ⏏ Enter ⏪ Return

On Time / Off Time: Set the hour, minute, am/pm and activate / inactivate. (To activate the timer with the setting you have chosen, set to **Activate**.)


Volume: Set the desired volume level.

Contents: When the On Time is activated, you can turn on a specific channel or play back contents such as photo or audio files.

- **TV/USB:** Select **TV** or **USB**. (Make sure that an USB device is connected to your TV.)
- **Antenna:** Show selected antenna.
- **Channel:** Select the desired channel.
- **Music:** Select the folder containing MP3 files on the USB device.
- **Photo:** Select the folder containing JPEG files on the USB device.

Repeat: Select **Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun** or **Manual** to set at you convenience. If you select **Manual**, you can set up the day you want to activate the timer.

 The ✓ mark indicates the day is selected.

-  **Auto Power Off** (available only when the TV is turned on by the Timer): The TV will be automatically turned off after 3 hours of being left idle to prevent overheating.

Basic Features

Locking Programs



MENU → Setup → V-Chip → ENTER

V-Chip

The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal identification number) before any of the V-Chip restrictions are set up or changed.

NOTE

- **V-Chip** is not available in **HDMI** or **Component** mode.
- The default PIN number of a new TV set is "0-0-0-0".
- **Allow all**: Press to unlock all TV ratings.
- **Block all**: Press to lock all TV ratings.

- **V-Chip Lock (Off / On)**: You can block rated TV Programs.

- **TV Parental Guidelines**: You can block TV programs depending on their rating. This function allows you to control what your children are watching.

TV-Y: Young children / **TV-Y7**: Children 7 and over /
TV-G: General audience / **TV-PG**: Parental guidance /
TV-14: Viewers 14 and over / **TV-MA**: Mature audience
ALL: Lock all TV ratings. / **FV**: Fantasy violence /
V: Violence / **S**: Sexual situation / **L**: Adult Language /
D: Sexually Suggestive Dialog

The V-Chip will automatically block certain categories dealing with more sensitive material. For example, if you block the **TV-Y** category, then **TV-Y7** will automatically be blocked. Similarly, if you block the **TV-G** category, then all the categories in the young adult group will be blocked (**TV-G**, **TV-PG**, **TV-14** and **TV-MA**). The sub-ratings (**D**, **L**, **S**, **V**) work similarly. So, if you block the **L** sub-rating in **TV-PG**, then the **L** sub-ratings in **TV-14** and **TV-MA** will automatically be blocked.

- **MPAA Rating**: You can block movies depending on their MPAA rating. The Motion Picture Association of America(MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for children.

G: General audience (no restrictions). / **PG**: Parental guidance suggested. / **PG-13**: Parents strongly cautioned. / **R**: Restricted. Children under 17 should be accompanied by an adult. / **NC-17**: No children under age 17. / **X**: Adults only. / **NR**: Not rated.

The **V-Chip** will automatically block any category that deals with more sensitive material. For example, if you block the **PG-13** category, then **R**, **NC-17** and **X** will automatically be blocked.

- **Canadian English**: You can block TV programs depending on their Anglophone Canadian.

C: Programming intended for children under age 8. /

C8+: Programming generally considered acceptable for children 8 years and over to watch on their own. /

G: General programming, suitable for all audiences. /

PG: Parental Guidance. / **14+**: Programming contains themes or content which may not be suitable for viewers under the age of 14. / **18+**: Adult programming.

The **V-Chip** will automatically block any category that deals with more sensitive material. For example, if you block the **G** category, then **PG**, **14+** and **18+** will automatically be blocked.

- **Canadian French**: You can block TV programs depending on their French Canadian rating.

G: General / **8 ans+**: Programming generally considered acceptable for children 8 years and over to watch on their own. / **13 ans+**: Programming may not be suitable for children under the age of 13. /

16 ans+: Programming is not suitable for children under the age of 16. / **18 ans+**: Programming restricted to adults.

The **V-Chip** will automatically block any category that deals with more sensitive material. For example, if you block the **8 ans+** category, then **13 ans+**, **16 ans+** and **18 ans+** will automatically be blocked also.

- **Downloadable U.S. Rating**: Parental restriction information can be used while watching DTV channels.

NOTE

- If information is not downloaded from the broadcasting station, the **Downloadable U.S. Rating** menu is deactivated.
- Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.
- The **Downloadable U.S. Rating** menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.
- Parental restriction levels differ depending on the broadcasting station. The default menu name and **Downloadable U.S. Rating** change depending on the downloaded information.
- Even if you set the on-screen display to another language, the **Downloadable U.S. Rating** menu will appear in English only.
- The rating will automatically block certain categories that deal with more sensitive material.
- The rating titles (For example: Humor Level..etc) and TV ratings (For example: DH, MH, H..etc) may differ depending on the broadcasting station.




- **Change PIN:** The **Change PIN** screen will appear. Choose any 4 digits for your PIN and enter it in the **Enter New PIN**. Re-enter the same 4 digits in the **Confirm New PIN**. When the Confirm screen appears, press the **OK** button. Your PIN has been memorized.

How to watch a restricted channel

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear: **This channel is blocked by V-Chip. Please enter the PIN to unblock.**



- ✎ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0" : **POWER** (off) → **MUTE** → 8 → 2 → 4 → **POWER** (on)

Other Features

 **MENU**  → **Setup** → **ENTER** 

Language

Set the menu language.

1. Select **Language** and press the **ENTER**  button.
2. Choose desired language and press the **ENTER**  button.
 - ✎ Choose between **English**, **Español** and **Français**.

Game Mode (Off / On)

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting the game menu.

NOTE

- Precautions and limitations for game mode
 - To disconnect the game console and connect another external device, set **Game Mode** to **Off** in the setup menu.
 - If you display the TV menu in **Game Mode**, the screen shakes slightly.
- **Game Mode** is not available when the input source is set to TV.
- After connecting the game console, set **Game Mode** to **On**. Unfortunately, you may notice reduced picture quality.
- If **Game Mode** is **On**:
 - **Picture** mode is set to **Standard** and **Sound** mode is set to **Custom**.
 - **Equalizer** is not available.

Caption

(On-Screen Text Messages)

- **Caption (Off / On):** You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.



- ✎ The Caption feature does not work in Component or HDMI modes.

- **Caption Mode:** You can select the desired caption mode.

- ✎ The availability of captions depends on the program being broadcasted.

Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.)

Default / Service1~Service6 / CC1~CC4 / Text1~Text4: (digital channels only) The Digital Captions function works with digital channels.

- ✎ **Service1~6** may not be available in digital caption mode depending on the broadcast.

- **Digital Caption Options:** (digital channels only)

Size: Options include Default, Small, Standard and Large. The default is Standard.

Font Style: Options include Default and Styles 0 to 7. The default is Style 0.

Foreground Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta and Cyan. You can change the color of the letter. The default is White.

Background Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta and Cyan. You can change the background color of the caption. The default is Black.

Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid and Flashing.

Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent, Solid and Flashing.

Return to Default: This option sets each Size, Font Style, Foreground Color, Background Color, Foreground Opacity and Background Opacity to its default.

Basic Features

NOTE

- **Digital Caption Options** are available only when **Default** and **Service1 ~ Service6** can be selected in Caption Mode.
- The availability of captions depends on the program being broadcasted.
- The **Default** setting follow the standards set by the broadcaster.
- The Foreground and Background cannot be set to have the same color.
- You cannot set both the **Foreground Opacity** and the **Background Opacity** to Transparent.

Melody (Off / Low / Medium / High)

Set so that a melody plays when the TV is turned on or off.

NOTE

- Only available when the Input source is set to TV. To turn the melody off, set **Melody** to **Off**.
- The **Melody** does not play.
 - When no sound is output from the TV because the **MUTE** button has been pressed.
 - When no sound is output from the TV because the volume has been reduced to minimum with the **VOL –** button.
 - When the TV is turned off by **Sleep Timer** function.

Energy Saving (Off / Low / Medium / High / Auto)

Adjust the brightness of the TV in order to reduce power consumption. When watching TV at night, set the **Energy Saving** to **High** to reduce eye fatigue as well as power consumption.

Support Menu



MENU  → Support → ENTER 

Self Diagnosis

- **Picture Test:** Use to check for picture problems. If the problem continues to occur, check the Color pattern.

Yes: If the test pattern does not appear or there is noise in the test pattern, select Yes. There may be a problem with the TV. Contact Samsung's Call Center for assistance (1-800-SAMSUNG).

No: If the test pattern is properly displayed, select No. There may be a problem with your external equipment. Please check your connections. If the problem persists, refer to the external device's user manual.

- **Sound Test:** Use the built-in melody sound to check for sound problems.

Yes: If you can hear sound only from one speaker or not at all during the sound test, select Yes. There may be a problem with the TV. Contact Samsung's Call Center for assistance (1-800-SAMSUNG).

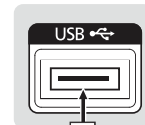
No: If you can hear sound from the speakers, select No. There may be a problem with your external equipment. Please check your connections. If the problem persists, refer to the external device's user manual.

- **Signal Strength:** (digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength.

Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from samsung.com to a USB memory device.

TV Rear Panel



USB Drive



HD Connection Guide

Refer to this information when connecting external devices to the TV.

Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call centers and how to download products and software.

Advanced Features

Media Play

MEDIA.P



Enjoy photos and/or music files saved on a USB Mass Storage Class (MSC) device.



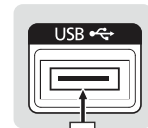
MENU → **Application** → **Media Play (USB)** → **ENTER**



Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo and/or music files to the **USB** jack on the rear of the TV.
3. When the **Application** selection screen is displayed, press the **►** button to select **Media Play (USB)**, then press the **ENTER** button.

TV Rear Panel



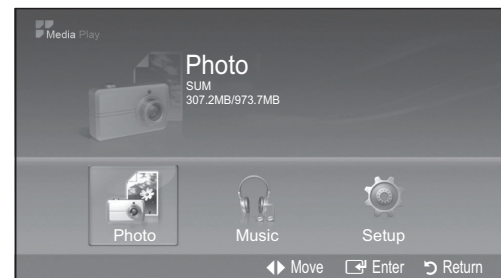
USB Drive



Using the Media Play Menu

Viewing a Photo (or Slide Show)

1. Press the **MENU** button. Press the **▲** or **▼** button to select **Application**, then press the **ENTER** button.
2. Press the **▲** or **▼** button to select **Media Play (USB)**, then press the **ENTER** button.
3. Press the **▲** or **▼** button to select the corresponding USB Memory Device, then press the **ENTER** button.
 - The Media Play menu differs depending on the USB Memory Device connected to TV.
 - Some devices may not be supported due to compatibility problems.
4. Press the **◀** or **▶** button to select an icon (**Photo**, **Music**, **Setup**), then press the **ENTER** button.



It might not work properly with unlicensed multimedia files.

Need-to-Know List before using **Media Play (USB)**


- Only alphanumeric characters must be used as a folder name or file name (photo, music).
- The file system only supports FAT16/32 (The NTFS file system is not supported) Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- Media Play only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB port. USB (HDD) is not supported.
- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- Please connect directly to the **USB** port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.
- Only MP3 and JPEG file formats are supported.
- The Media Play (USB) mp3 format only supports music files with a high sampling frequency (32 kHz, 44.1 kHz, or 48 kHz).
- We recommend the sequential jpeg format.
- Do not disconnect the USB device while it is loading.



Advanced Features

- MSC supports MP3 and JPEG files, and the PTP device supports JPEG files only.
- MTP (Media Transfer Protocol) is not supported.
- The playing duration of an mp3 file may be displayed as “00:00:00” if its playing time information is not found at the start of the file.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The Photo or Music List displays up to 300 folders or files.
- Loading may take some time depending on the size of the file.
- MP3 files with DRM that have been downloaded from a non-free site cannot be played.
- Digital Rights Management (DRM) is a technology that supports the creation, distribution and management of the content in an integrated and comprehensive way, including the protection of the rights and interests of the content providers, the prevention of the illegal copying of contents, as well as managing billings and settlements.
- If a USB extension cable is used, the USB device may not be recognized or the files on the device may not be read.
- If a USB device connected to the TV is not recognized, the list of files on the device is corrupted or a file in the list is not played, connect the USB device to the PC, format the device and check the connection.
- If a file deleted from the PC is still found when Media Play is run, use the “Empty the Recycle Bin” function on the PC to permanently delete the file.







Photo

Viewing a Photo (or Slide Show)

1. Press the **INFO** button to display the option **View, Start Slide Show, Delete, Delete All, Deselect All**.
2. Press the **▲** or **▼** button to select **Start Slide Show** then press the **ENTER**  button.




-  During the slide show, files are displayed in order from the currently shown file.
-  MP3 files can be automatically played during the Slide Show if the Default **Background Music** is set to **On**. To enable this function, MP3 files and other photo files must be located in the same folder on the USB Memory Device.







-  Press the **INFO** button during the slide show to set the following options **Slide Show Speed, Background Music, Background Music Setting, List**. Press the **▲** or **▼** button to select the option, then press the **ENTER**  button.
 - After setting the option press the **ENTER**  button to make a change.
-  Press the **INFO** button during the photo view to set the following options **Start Slide Show, Zoom, Rotate, List**. Press the **▲** or **▼** button to select the option, then press the **ENTER**  button.
 - After setting the option press the **ENTER**  button to make a change.

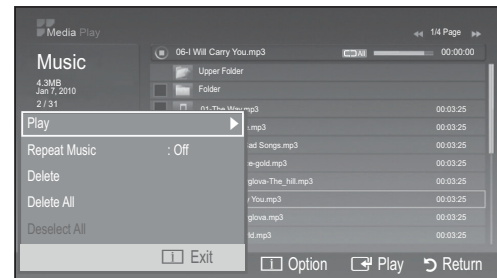
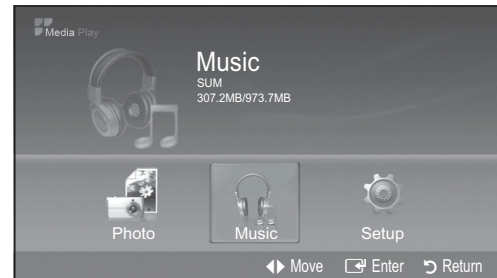
Music

Using the MP3 List



	Folder icon
	Music list icon
	Move to the previous folder stage icon

 The selected file is displayed on the top with its playing time.

- To select all files or a file, press the **INFO** button to display the **Music** menus.
Press the **ENTER**  button to select **Play / Play Selected Files**, **Repeat Music**, **Delete Selected File / Delete**, **Delete All** or **Deselect All**.
- Press the **▲** or **▼** button to move to an icon, then press the **ENTER**  button.
Pressing the **ENTER**  button over a musical note icon immediately plays the music file.
Pressing the **ENTER**  button over a folder icon shows the music files included in the folder.







■ **Play:** Select to play MP3 files.

-  This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.
-  To adjust the music volume, press the **—VOL+** button on the remote control. To mute the sound, press the **MUTE** button on the remote control.

■ **Repeat Music (On / Off):** Select to repeatedly play MP3 files in the current folder.

Playing Music

- Only displays files with the MP3 file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the sound is strange when playing MP3 files, adjust the **Equalizer** and **SRS TruSurround HD** in the **Sound** menu. (An over-modulated MP3 file may cause a sound problem.)
- Music function information icons

	Repeat Mode is On.
	Repeat Mode is Off.
	When pressing the PLAY/PAUSE button on the remote control while music is playing.
	When pressing the STOP button on the remote control, the music stops.

Advanced Features

Setup

Using the Setup Menu

- **Slide Show Speed:** Select to control the slide show speed. You can select **Fast**, **Normal** or **Slow**.
- **Background Music:** Select to determine whether to play an MP3 file during a slide show. You can select Music **On** or Music **Off**.
- **Background Music Setting:** While a slide show is in progress, use the **Background Music Setting** to select a music file to listen to. Select an MP3 file as the background music.
- **Repeat Music:** Select to determine whether to repeat playing the music when all MP3 files in the current folder have been played.
- **Screen Saver:** Select to set the waiting time before the screen saver appears. The screensaver will appear when no button is pressed for **2 hours**, **4 hours**, **8 hours**, **10 hours** or **Off**.
- **Safe Remove:** You can remove the device safely from the TV.



Playing the selected photos / music files

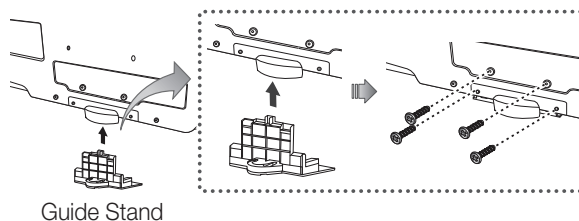
- Press the Yellow button.
- Repeat the above operation to select desired photos / music files.
 - ✎ Selected photos or files are marked with the symbol ✓. To cancel a selection, press the Yellow button again.
- Press the **ENTER** button to play the selected photos or files.

Installing the Wall Mount

Assembling the Guide Stand (LCD-TV - 32 inches or above)

When installing the TV onto a wall, attach the Guide Stand as shown.

- Use only the Guide Stand provided as an accessory.
(The Guide Stand may differ depending on the model.)



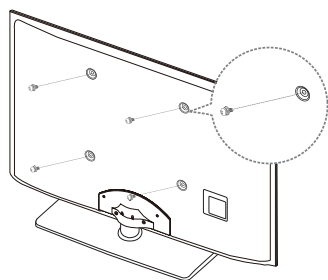
Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the wall.

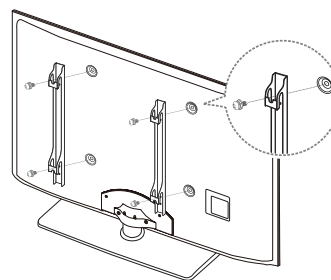
For detailed information on installing the wall mount, see the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Wall Mount Kit Specifications (VESA)

Case A. Installing the SAMSUNG Wall-Mount




Case B. Installing another company's Wall-Mount



<Only LED-TV 32", 40">

Other Information

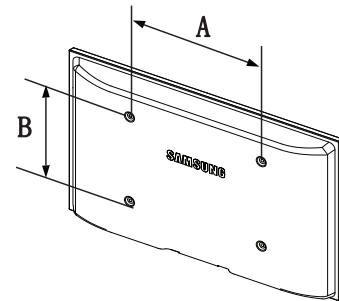
 The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

NOTE

- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too strongly; this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always use two people to mount the TV to a wall.

Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
LCD-TV	19~22	75 X 75	M4	4
	26	200 X 100		
	32~40	200 X 200	M6	
	46	400 X 400	M8	
LED-TV	19~22	75 X 75	M4	4
	26	200 X 100		
	32~40	200 X 200	M8	
	46~60	400 X 400		
	65~75	600 X 400		



Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Securing the TV to the Wall (depending on the model)




Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV. Doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the included Safety Flyer with your TV. For added stability and safety, you can purchase and install the anti fall device as described below.

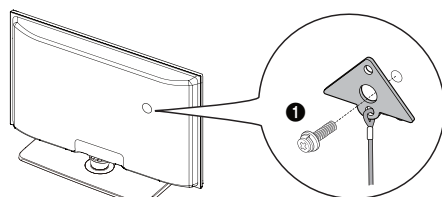
Parts included in the Kit:



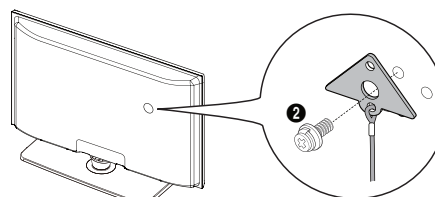
TV-Holder	Screw ❶ (M8 X L28)	Screw ❷ (M6 X L16)	Screw ❸ (M4 X L12)	Screw ❹ (M4 X L16)
	PDP / LED / LCD (46 inches or larger)	LCD (32 – 40 inches models only)	UN**C9000 model only	LED / LCD Plastic Cover only

Installing the TV-Holder

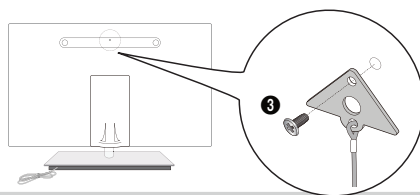
1. Read these instructions through once before you start.
2. Remove the screw attached to the back of your TV, and then connect the TV-Holder to the TV with the screw included in the TV-Holder Kit (❶, ❷, ❸ or ❹) that is designated for your TV.
 Make sure to use only the appropriate supplied screw. If you use a different screw, you can damage your TV.



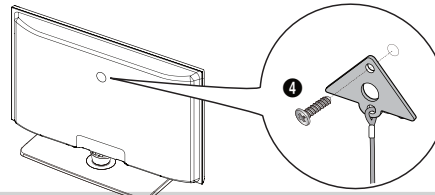
PDP / LED /
LCD (46 inches or larger)



LCD
(32 – 40 inches models only)








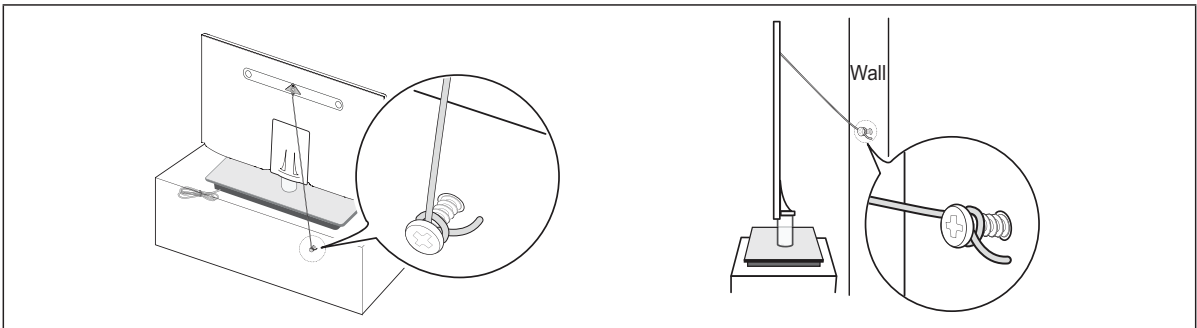
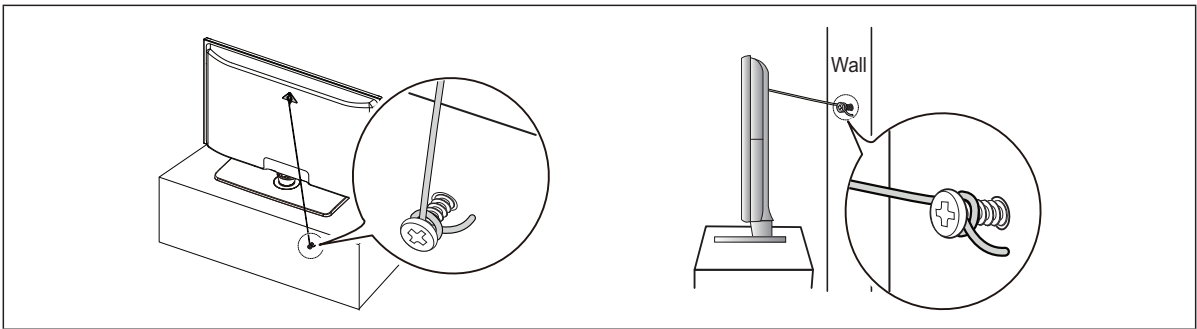
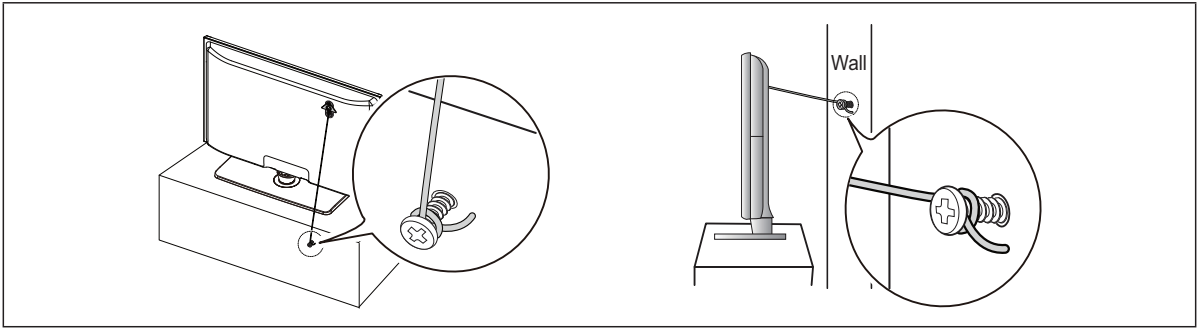
UN**C9000
model only



LED / LCD
Plastic Cover only

Other Information

3. Firmly fasten the screw you provided (size M4xL20 or similar) to the wall or cabinet where the TV is to be installed.
 -  If you fasten the screw to the wall, we recommend you drive the screw into a stud. If that is not possible, use a molly to anchor the screw.
4. Tie the TV-Holder cord to the screw fastened to the wall or cabinet so that the TV is fixed. See the illustrations below.
 -  Install the TV close to the wall so that it does not fall.
 -  When attaching the TV-Holder cord to the wall, tie the cord level with the ground or slanted downwards for safety purposes.
 -  Check the cord occasionally to make sure it is secure.
 -  Before moving the TV, separate the connected cord first.



5. Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

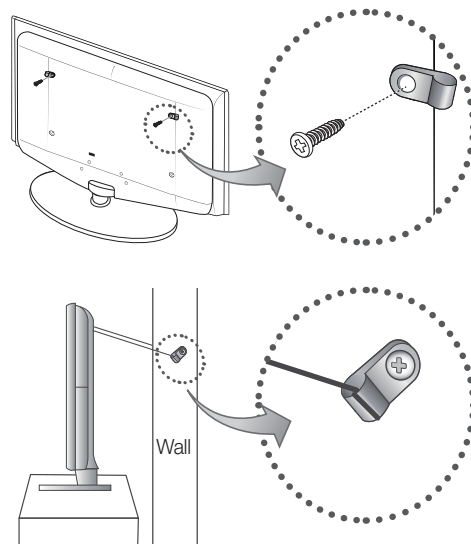
Securing the TV to the Wall



Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

To avoid the TV from falling

- ✎ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 1. Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall.
 - ✎ Screw Specifications
 - For a 19 ~ 27 inch LED TV: M4
- 2. Remove the screws from the back center of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
- 3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
- ✎ Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.
- ✎ Install the TV near to the wall so that it does not fall backwards.
- ✎ It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV. Untie the string before moving the TV.



Anti-Theft Kensington Lock

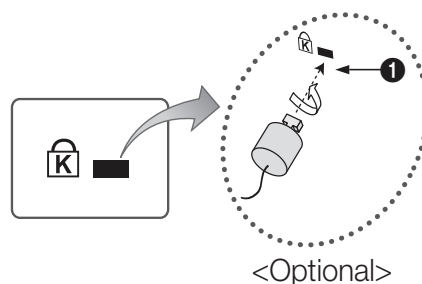
The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer. Refer to the manual provided with the Kensington Lock for additional information on proper use.

- ✎ Please find a “K” icon on the rear of the TV. A Kensington slot is beside the “K” icon.
- ✎ The position and color may differ depending on the model.

To lock the product, follow these steps:

1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
3. Insert the locking device into the Kensington slot on the product (1).
4. Lock the lock.


- ✎ These are general instructions. For exact instructions, see the User manual supplied with the locking device.
- ✎ The locking device has to be purchased separately.
- ✎ The location of the Kensington slot may be different depending on the TV model.



Other Information


Troubleshooting


If the TV seems to have a problem, first try this list of possible problems and solutions. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

Issues	Solutions and Explanations
Poor picture	<p>First of all, please perform the Picture Test and confirm that your TV is properly displaying the test image.</p> <ul style="list-style-type: none"> go to MENU - Support - Self Diagnosis - Picture Test (P. 20) <p>If the test image is properly displayed, the poor picture may be caused by the source or signal.</p>
The TV image does not look as good as it did in the store.	<ul style="list-style-type: none"> If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality. Cable/Satellite subscribers: Try HD stations from the channel line up. Air/Cable Antenna connection: Try HD stations after performing Auto Program.  Many HD channels are upscaled from SD(Standard Definition) contents. Adjust the Cable/Sat box video output resolution to 1080i or 720p.
The picture is distorted: macroblock error, small block, dots, pixelization.	<ul style="list-style-type: none"> Compression of video contents may cause picture distortion, especially in fast moving pictures such as sports and action movies. Low signal level can cause picture distortion. This is not a TV problem. Mobile phones used close to the TV (up to 3.3ft) may cause noise in picture on analog and digital TV.
Color is wrong or missing.	<ul style="list-style-type: none"> If you're using Component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.
There is poor color or brightness.	<ul style="list-style-type: none"> Adjust the Picture options in the TV menu. (go to Picture mode / Color / Brightness / Sharpness) (P. 14) Adjust Energy Saving option in the TV menu. (go to MENU - Setup - Energy Saving) (P. 20) Try resetting the picture to view the default picture setting. (go to MENU - Picture - Picture Reset) (P. 15)
There is a dotted line on the edge of the screen.	<ul style="list-style-type: none"> If the picture size is set to Screen Fit, change it to 16:9. Change cable/satellite box resolution.
The picture is black and white.	<ul style="list-style-type: none"> If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.
When changing channels, the picture freezes or is distorted or delayed.	<ul style="list-style-type: none"> If connected to a cable box, please try to reset it. (reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes) Set output resolution of the cable box to 1080i or 720p.
Sound Problem	<p>First of all, please perform the Sound Test to confirm that your TV audio is properly operating.</p> <ul style="list-style-type: none"> go to MENU - Support - Self Diagnosis - Sound Test (P. 19) <p>If the audio is OK, the sound problem may be caused by the source or signal.</p>
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none"> Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray etc) connected to your TV.
The picture is good but there is no sound.	<ul style="list-style-type: none"> If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV). If you are using a DVI to HDMI cable, a separate audio cable is required. Reboot the connected device by reconnecting the device's power cable.
The speakers are making an inappropriate noise.	<ul style="list-style-type: none"> Check the cable connections. Make sure a video cable is not connected to an audio input. For Antenna or Cable connections, check the signal information. Low signal level may cause sound distortion. Perform the Sound Test as explained above.

Issues	Solutions and Explanations
No Picture, No Video	
The TV will not turn on.	<ul style="list-style-type: none"> Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working. Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below.
The TV turns off automatically.	<ul style="list-style-type: none"> Ensure the Sleep Timer is set to Off in the Setup menu. (P. 17) If your PC is connected to the TV, check your PC power settings. Make sure the AC power cord is plugged in securely to the wall outlet and the TV. When watching TV from an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.
There is no picture/video.	<ul style="list-style-type: none"> Check cable connections. (remove and reconnect all cables connected to the TV and external devices). Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on. Be sure to select the TV's correct source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable.
RF(Cable/Antenna) Connection	
The TV is not receiving all channels.	<ul style="list-style-type: none"> Make sure the coaxial cable is connected securely. Please try Auto Program to add available channels to the channel list. go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) (P. 12) Verify the Antenna is positioned correctly.
No Caption on digital channels.	<ul style="list-style-type: none"> Check Caption Setup menu. Try changing Caption Mode Service 1 to CC1. (P. 19) Some channels may not have caption data.
The picture is distorted: macroblock, error, small block, dots, pixelization.	<ul style="list-style-type: none"> Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports and action movies. A low signal can cause picture distortion. This is not a TV problem.
Others	
Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection.	<ul style="list-style-type: none"> Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection.
The picture will not display in full screen.	<ul style="list-style-type: none"> HD channels will have black bars on either side of the screen when displaying upscaled SD (4:3) contents. Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust picture size option on your external device or TV to full screen.
The remote control does not work.	<ul style="list-style-type: none"> Replace the remote control batteries with correct polarity (+/-). Clean the transmission window located on the top of the remote. Try pointing the remote directly at the TV from 5~6 feet away.

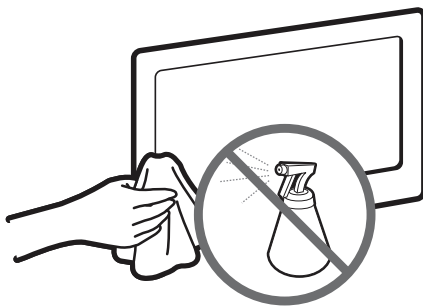
Other Information

Issues	Solutions and Explanations
Others	
The cable/set top box remote control does not turn the TV on or off, or adjust the volume.	<ul style="list-style-type: none"> Program the Cable/Sat remote control to operate the TV. Refer to the Cable/Sat user manual for SAMSUNG TV code.
'Mode Not Supported' message.	<ul style="list-style-type: none"> Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.
Caption on TV menu is greyed out.	<ul style="list-style-type: none"> Caption can not be selected in the TV menu when connected via HDMI or Component. Caption must be activated on the external device.
There is a plastic smell from the TV.	<ul style="list-style-type: none"> This smell is normal and will dissipate over time.
TV Signal Strength is unavailable in the Self Diagnosis Test menu.	<ul style="list-style-type: none"> This function is only available with digital channels with an Antenna (RF/Coax) connection (Air or Cable). (P. 20)
TV is tilted to the right or left side.	<ul style="list-style-type: none"> Remove the stand base from the TV and reassemble.
Channel menu is grey out (unavailable).	<ul style="list-style-type: none"> Channel menu is only available when the TV source is selected (Antenna or Cable).
Your settings are lost after 30 minutes or every time the TV is turned off.	<ul style="list-style-type: none"> If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode in the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU → Setup → Plug & Play → ENTER .
You have intermittent loss of audio or video.	<ul style="list-style-type: none"> Check the cable connections and reconnect them. Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. Mounting the TV to the wall, we recommend using cables with 90 degree connectors.
You see small particles when you look closely at the edge of the frame of the TV.	<ul style="list-style-type: none"> This is part of the product's design and is not a defect.
POP (TV's internal banner ad) appears on the screen.	<ul style="list-style-type: none"> Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup). (P. 7)

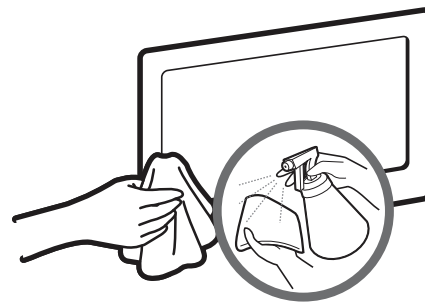
 This TFT LCD/LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Storage and Maintenance

 If you remove the attached sticker on the TV screen, clean the residues and then watch TV.



Do not spray water or a cleaning agent directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



Clean the product with a soft cloth dipped in a small amount of water.


Specifications

Environmental Considerations	50°F to 104°F (10°C to 40°C)		
Operating Temperature	10% to 80%, non-condensing		
Operating Humidity	-4°F to 113°F (-20°C to 45°C)		
Storage Temperature	5% to 95%, non-condensing		
Storage Humidity			
Model Name	UN19D4003BD	UN26D4003BD	UN32D4003BD
Display Resolution	1360X768		
Screen Size (Diagonal)	19" Class (18.5" measured diagonally)	26" Class (26.0" measured diagonally)	32" Class (31.5" measured diagonally)
Sound Output	5W X 2		
Dimensions (WxDxH)			
Body	17.6 X 1.5 X 10.9 inches (447.2 X 39.9 X 277.8 (mm))	24.5 X 1.7 X 14.8 inches (624.0 X 45.1 X 377.2 (mm))	29.7 X 1.8 X 17.8 inches (756.4 X 47.8 X 454.0 (mm))
With stand	17.6 X 4.8 X 12.3 inches (447.2 X 124.0 X 312.4 (mm))	24.5 X 6.6 X 16.4 inches (624.0 X 169.4 X 418.3 (mm))	29.7 X 7.1 X 19.6 inches (756.4 X 182.4 X 498.1 (mm))
Weight			
Without Stand	6.1 lbs (2.8 kg)	9.0 lbs (4.1 kg)	13.8 lbs (6.3 kg)
With Stand	6.3 lbs (2.9 kg)	9.7 lbs (4.4 kg)	15.8 lbs (7.2 kg)
Model Name	UN22D5003BF	UN40D5003BF	LN32D403E2D
Display Resolution	1920X1080		1360X768
Screen Size (Diagonal)	22" Class (21.5" measured diagonally)	40" Class (40.0" measured diagonally)	32" Class (31.5" measured diagonally)
Sound Output	5W X 2	10W X 2	5W X 2
Dimensions (WxDxH)			
Body	20.3 X 1.5 X 12.4 inches (515.8 X 39.9 X 315.6 (mm))	37.1 X 2.0 X 22.1 inches (943.8 X 51.0 X 561.4 (mm))	30.8 X 3.9 X 19.8 inches (784.4 X 98.1 X 502.9 (mm))
With stand	20.3 X 4.8 X 13.7 inches (515.8 X 124.0 X 350.0 (mm))	37.1 X 8.6 X 23.7 inches (943.8 X 219.4 X 603.5 (mm))	30.8 X 7.1 X 21.4 inches (784.4 X 182.4 X 545.3 (mm))
Weight			
Without Stand	7.4 lbs (3.4 kg)	21.1 lbs (9.6 kg)	16.7 lbs (7.6 kg)
With Stand	7.7 lbs (3.5 kg)	24.2 lbs (11.0 kg)	18.9 lbs (8.6 kg)

- Design and specifications are subject to change without prior notice.
- This device is a Class B digital apparatus.
- For information about power supply, and more about power consumption, refer to the label attached to the product.
- Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: www.samsung.com/recyclingdirect or call, (877) 278-0799.

License



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Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

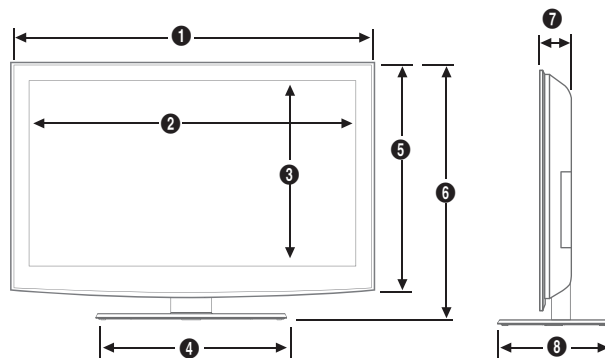
Open Source License Notice

In the case of using open source software, Open Source Licenses are available on the product menu.
Open source used in this product can be found on the following webpage. (<http://opensource.samsung.com>)
Open source License Notice is written only English.

Other Information

Dimensions

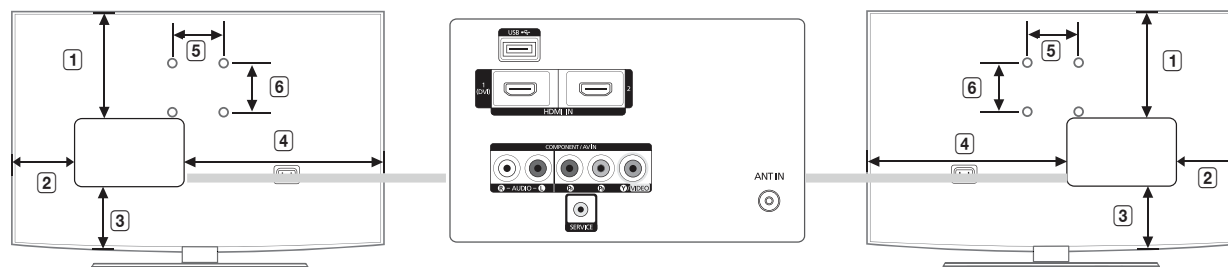
■ FRONT VIEW / SIDE VIEW



(Unit: inches)

Model name	1	2	3	4	5	6	7	8
UN19D4003BD	16.4	16.1	9.1	9.7	10.9	12.2	1.5	4.8
UN26D4003BD	24.5	22.7	12.8	13.3	14.8	16.4	1.7	6.6
UN32D4003BD	29.7	27.5	15.5	18.2	17.8	19.6	1.8	7.1
UN22D5003BF	20.3	18.7	10.5	9.7	12.4	13.7	1.5	4.8
UN40D5003BF	37.1	34.9	19.7	18.8	22.1	23.7	2.0	8.6
LN32D403E2D	30.8	27.5	15.5	18.1	19.7	21.4	3.4	7.1

■ JACK PANEL DETAIL / REAR VIEW



(Unit: inches)

Model name	1	2	3	4	5	6
UN19D4003BD	4.7	8.0	2.0	2.6	2.9	2.9
UN26D4003BD	6.5	2.6	3.2	14.8	7.8	3.9
UN32D4003BD	7.2	3.1	5.5	19.5	7.8	7.8
UN22D5003BF	6.2	10.5	2.1	2.7	2.9	2.9
UN40D5003BF	9.3	6.2	7.7	23.8	7.8	7.8
LN32D403E2D	9.2	1.9	4.9	21.3	7.8	7.8

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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**Contact SAMSUNG WORLDWIDE**

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Comuníquese con SAMSUNG WORLDWIDE

Si desea formular alguna pregunta o comentario en relación con los productos de Samsung, comuníquese con el centro de atención al cliente de SAMSUNG.

Country	Customer Care Center ☎	Web Site	Address
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
			Samsung Electronique Canada Inc., Service à la Clientèle 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660-2112



Quick Setup Guide

Congratulations on the purchase of your new Samsung TV. Read this setup guide to get your TV up and running quickly.

SERIES 4
403
SERIES 4
4003
SERIES 5
5003

STOP

Please do not return this unit. If you have problems operating your TV call:
1-800-SAMSUNG (1-800-726-7864)
For web support please visit: www.samsung.com/support
1-800-SAMSUNG (1-800-726-7864)
Samsung Electronics America, Inc.
85 Challenger Road Ridgefield Park, NJ 07660-2112
Samsung Electronics Canada Inc.
55 Sandhill Court Mississauga, Ontario L5R 4B2
Call Center hours of operation: Mon-Sun, 9:00 AM - 12 AM EST.
To register this product, visit: www.samsung.com/register.

Getting Started

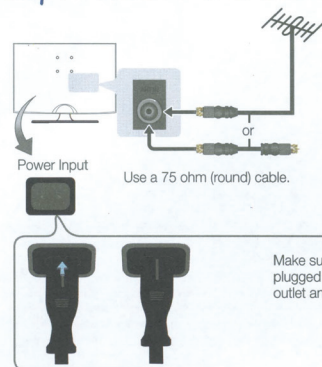
Step 1: Install the Batteries into the Remote

To install batteries into your remote control, follow these steps:

- Lift the cover on the back of the remote upward as shown in the figure to the right.
- Install two AAA batteries.
Make sure to match the + and - ends of the batteries to the diagram in the battery compartment.
- Replace the cover.



Step 2: Connect Power and Antenna or Cable



Connect ANT IN to:
• Wall cable jack or
• VHF/UHF
Antenna or
• Cable or Satellite
box Ant or Cable
Out

Make sure the AC power cord is plugged in securely to the wall outlet and the TV.

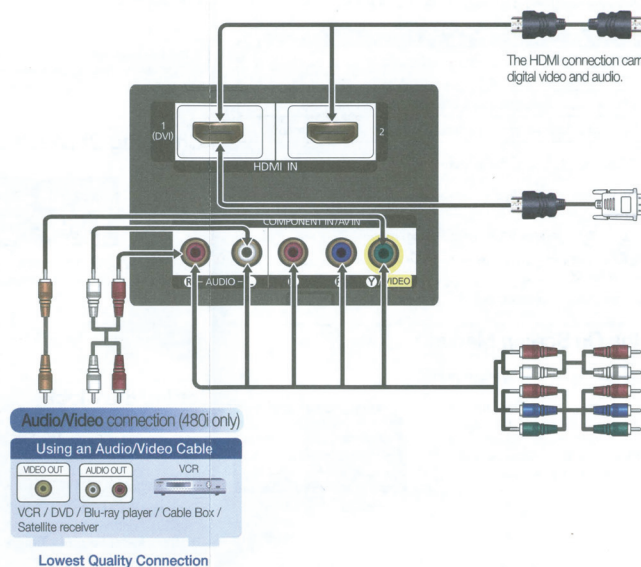


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Step 3: Connect External Devices

Connecting an AV device (Blu-ray player, cable/satellite box, etc.)

For the very best picture quality, select HD signal sources and use HDMI cables and connections. Note that many digital cable programs are not in HD. Check with your video provider to ensure your devices are receiving HD signals.



★ HD connection (up to 1080p)

Using an HDMI Cable
HDMI OUT Device
DVD / Blu-Ray player / HD Cable Box / HD Satellite receiver (STB)

Best Connection

★ HD connection (up to 1080p)

Using a DVI to HDMI Cable
DVI OUT Device
DVD / Blu-Ray player / Cable Box / Satellite receiver (STB)

Very Good Connection

Component connection (up to 1080p)

Using a Component Cable
AUDIO OUT COMPONENT OUT Blu-ray player
VCR / DVD / Blu-ray player / Cable Box / Satellite receiver

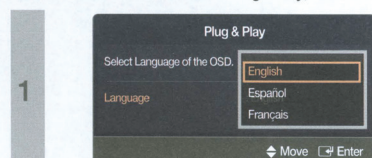
Good Connection

Step 4: Run Plug & Play

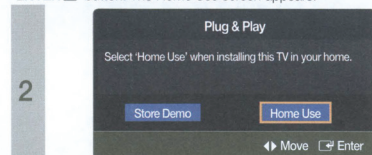
When you turn on your TV for the first time, it automatically launches the **Plug & Play** function. With **Plug & Play**, you can select the On Screen Display language, set the clock mode, and launch the TV's channel memorizing process. It also displays connection instructions similar to those in this guide.

To navigate while **Plug & Play** is running, press the Up, Down, Left or Right arrow buttons on your remote. To make a selection, press the ENTER button. To skip a screen, press the MENU button.

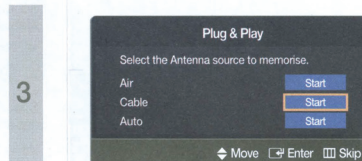
To turn on your TV, press the POWER button on the remote or press the POWER button on the TV. To run **Plug & Play**, follow these steps:



On the Language screen, select the language for the On Screen Display (OSD) using your remote control, and then press ENTER button. The Home Use screen appears.

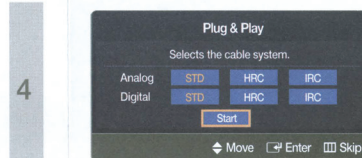


Select **Home Use**, and then press ENTER button. If you select **Store Demo**, the TV will reset your picture and audio settings every 30 minutes. After you press ENTER button, the Antenna Source screen appears.



If your TV is only attached to an antenna, select **Air**. If your TV is only attached to cable and you have no cable box, select **Cable**. If your TV is attached to an antenna and cable with no box, select **Auto**. When done, press ENTER button on your remote. The **Select Cable System** screen appears.

IMPORTANT: If your TV is attached to a cable or satellite box, skip Steps 3 through 5. After **Plug & Play** is complete, set your TV to Channel 3 or 4, according to the directions for your cable or satellite box.



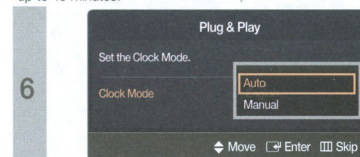
If your TV is attached to a cable system and you have no cable box, you must select your cable system type. If you have Digital cable, you must select the cable system type for both **Analog** and **Digital**.

After you have selected the cable system type, select **Start**, and then press the ENTER button on your remote.

Most cable systems are Standard (STD) systems. If you are not sure about what kind of cable system you have, contact your cable company.

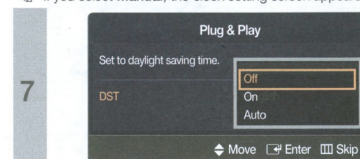


The TV memorizes the available channels. This process can take up to 45 minutes.



After the TV has memorized the channels, choose the **Clock Mode**. Select **Auto** if you have a digital channel in your area. Select **Manual** if you don't, or if you have a cable or satellite box. When done, press ENTER button.

If you select **Manual**, the clock setting screen appears.



Select the daylight savings time setting: **Off**, **On**, or **Auto**, and then press ENTER button.

After the time zone screen, The connection method for best HD screen quality is displayed. Press Right arrow button on your remote to view each screen in succession. Press the MENU button to skip this section.

The **Enjoy your TV** screen appears. Then press ENTER button.

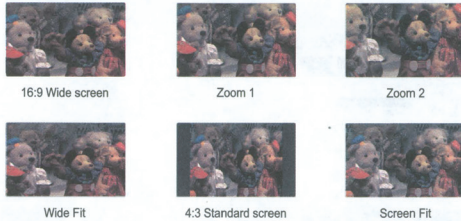
Basic Functions

Changing the Screen Size

Your TV has several screen size options, each designed to work best with specific types of video input. If you have a cable box or satellite receiver, it may have its own set of screen sizes as well.

To change the screen size, press the P.SIZE button on your remote. The first time you press it, your TV displays the current setting. Thereafter, each time you press the P.SIZE button, you change the size of the picture on the screen.

The following sizes are available:



Screen Fit displays a full HD picture covering the entire screen with no cutoff on any side. It is only available when your TV inputs an HDMI (720p, 1080i, 1080p), Component (1080i, 1080p), or DTV (over-the-air 1080i) signal.

Changing the Picture Mode

Your TV has three preset Picture Modes with factory adjusted settings, each designed to give you an excellent picture under specific conditions.

The Picture Modes are listed and described in the table below:

Mode	Description
Dynamic	Brightens picture. For a vibrant, enhanced image in brightly lit or sunny room.
Standard	For a bright, detailed picture in a normally lit room.
Movie	For a studio quality cinema picture in a dimly lit or dark room.

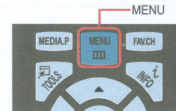
To change the Picture Mode, follow these steps:

- With the TV on, press the **TOOLS** button on your remote. The **Tools** menu appears.
- Using the **▲** or **▼** on your remote, select **Picture mode**.
- On the **Picture Mode** menu, use the **◀** or **▶** on your remote to select the **Picture Mode** you want.
- Press the **EXIT** button to exit the menu.

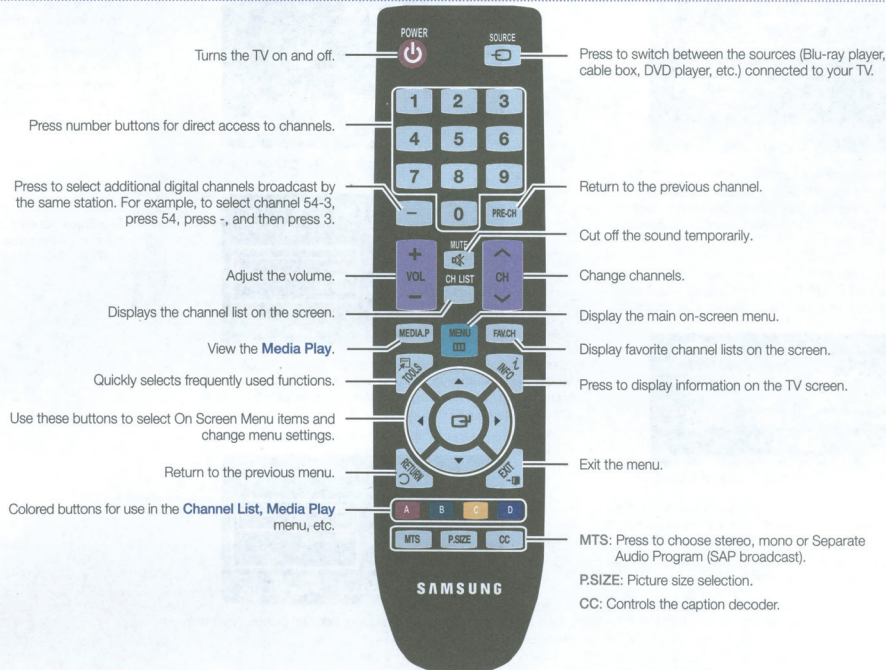
Viewing the On Screen Menus

To view the On Screen Menus, follow these steps:

- With the power on, press the **MENU** button on your remote. The main menu appears. The menu's left side has the following menu options: **Picture, Sound, Channel, Setup, Input, Application, and Support**.
- Press the **▲** or **▼** button on your remote to select a menu option, and then press the **ENTER** button.
- When done using the menu, press the **EXIT** button on your remote to exit.



Remote Control Buttons and Functions:



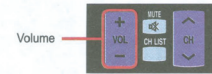
Selecting a Source

To watch a movie on your Blu-ray player or watch your favorite TV show, you must select the correct source. A source is a device, such as a Blu-ray/DVD player, a cable/satellite box, antenna or a cable TV input. Sources can be connected to your TV through the HDMI, DVI, Component, Composite, or D-sub connections, or through the Antenna or Cable In connections.

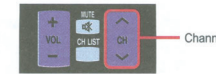


To view the signal from a source connected to the HDMI, DVI, Component, Composite, or D-sub jack, press the **SOURCE** button on your remote. Each time you press the **SOURCE** button, you change to a different source.

Changing Channels and Adjusting the Volume



Adjust the volume by pressing the **-VOL+** button on the remote.



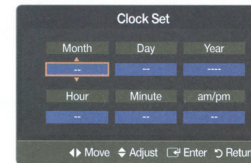
Change the channels by pressing the **▼CH▲** button on the remote.

If your TV is attached to a cable or satellite box, change the channel using the box's remote.

Setting the Clock

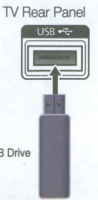
Before you can use your TV's On/Off Timer, you must set the clock. To set the clock, follow these steps:

- Turn on your TV.
- Using your remote, press the **MENU** button on your remote. Then, select **Setup** → **Time**.
- Select **Clock Mode**, and then press the **ENTER** button. Set **Clock Mode** to **Auto** or **Manual**.
 - Select **Auto** if you have a digital channel in your area and are not using a cable/sat box.
- Select **Clock Set**, and then press the **ENTER** button. The **Clock Set** screen appears.
- Using the number buttons on your remote, enter the **Month, Day, Year, Hour, and Minute**. Use the **◀** or **▶** button to move between entry fields.
- Press the **RETURN** button on your remote when done.



Connecting a USB Device for Media Play

You can enjoy photo and music files stored on a USB device by connecting it to the TV and using the **Media Play** feature. To connect a USB device for **Media Play**, follow these steps:



- Turn on your TV.
- Connect a USB device containing photo and music files to the **USB** jack on the rear of the TV.
- When the **Application** selection screen appears, press the **ENTER** button on your remote to select **Media Play (USB)**.



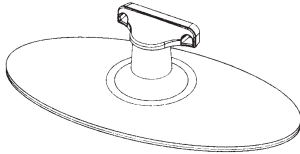
STOP**Assemble Stand before removing TV from shipping box**

Installing the TV Stand

Components

When installing the stand, use the provided components and parts.

A 1 EA



B

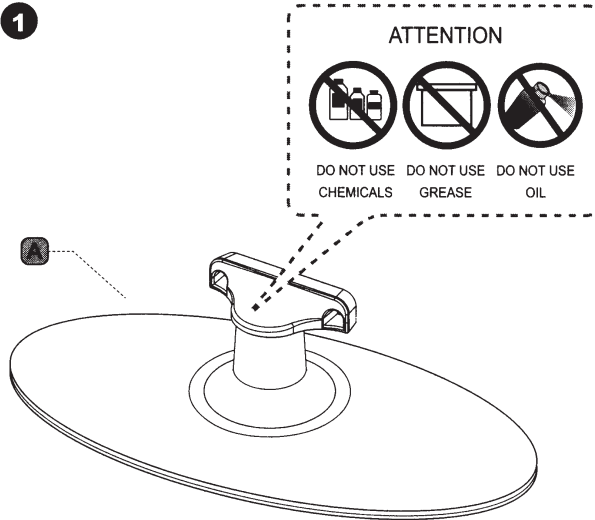
x2 (M4 X L12)



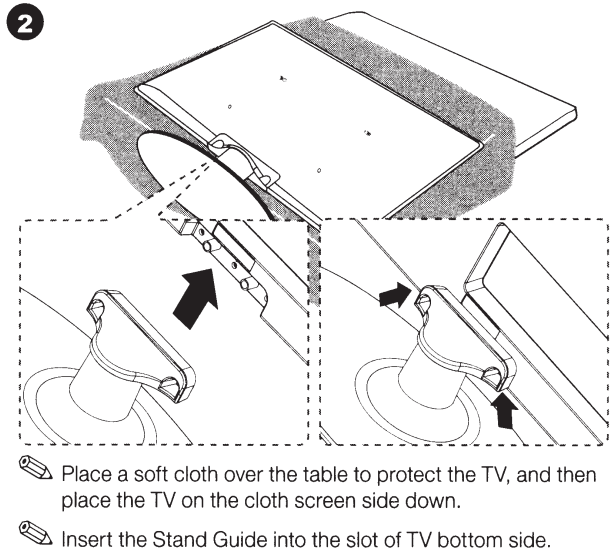
Stand (depending on the model)

Screws

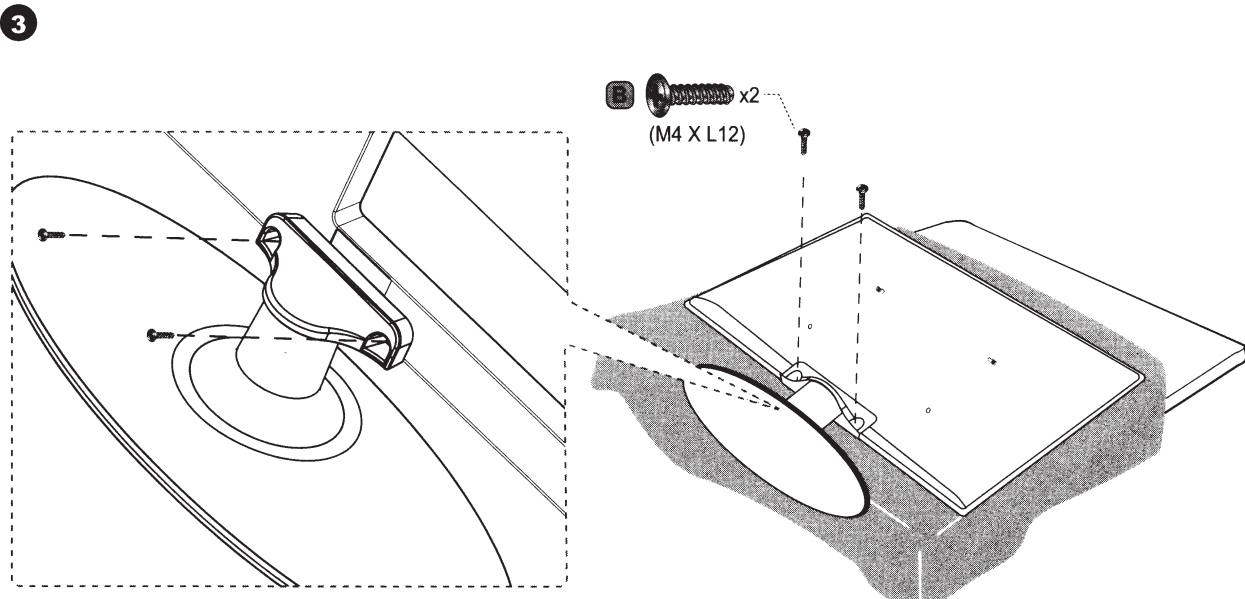
1



2



3



Caution



➤ Make sure to distinguish between the front and back of each component when assembling them.



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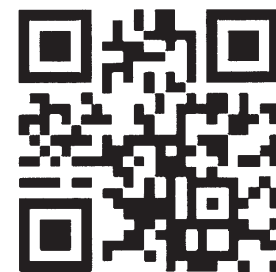
DO NOT RETURN
TO STORE

For any problem

Search helpful video
samsung.com/spsn

Chat
samsung.com/support

Call Samsung Support
1-888-899-7604



Scan this with your
smartphone



BN68-03608A-08

Top 5 Troubleshooting Tips

1. Can't Connect with Network or Apps (For internet supported model only)

- Make sure there is a network connection
(Menu → Network → Network status)
- Contact your service provider

2. No Picture/Sound or Distorted Picture/Sound with an External Device

- Make sure your connection to the device is correct.
- Perform a TV Self Diagnosis to identify the problem
(Menu → Support → Self Diagnosis → Sound or Picture Test)
- Change the picture size (Use "P. Size" button on your remote)

3. Poor Picture Quality

- Verify your signal is High Definition or Standard Definition
(Contact your service provider)

4. Your Settings are Lost after 30 Minutes

- Change to Home Mode
(“Tools” on your remote → Store Demo Off)

5. “Weak or No Signal” Displayed in TV Mode / Cannot Find Channel

- Press Source button on your remote
- Run Auto Program and search for channels
(Menu → System → Plug & Play → Enter)

TV 5 Problemas Principales

1. No se puede conectar con la Red o Apps (Solo para modelos que soporten conexión a internet)

- Asegúrese que el equipo este conectado a una red
(Menú → Red → Estado de Red)
- Contactar a su proveedor de Internet

2. No hay Imagen/sonido o Distorsión de Imagen/sonido con un dispositivo externo

- Asegure que la conexión física del dispositivo sea correcta
- Para identificar el problema, realice un Auto diagnostico en la TV
(Menú → Soporte de Tecnico → Autodiagnostico → Prueba de Imagen o Sonido)
- Cambie el tamaño de la imagen (Use el botón “P. Size” del control remoto)

3. Mala Calidad de Imagen

- Verificar si su señal es Alta Definición o Definición Regular
(Contactar a su proveedor de Servicios)

4. Su configuración se pierde después de 30 minutos

- Cambiar a Uso Domiciliario
(Use el botón “Tools” del control remoto → Demo Comercio Desac.)

5. “Señales Debiles o Inexistentes” Mensaje desplegado en TV Mode / No puede encontrar canales

- Presione el botón “Source” en su control remoto
- Corra Auto Program e inicie búsqueda de canales
(Menú → Sistema → Plug & Play → Enter)

Scan the QR code
to view our helpful
How-to Videos

Escanear el Código QR para ver nuestros
videos demostrativos de Video Guia

1.



2.



3.



4.



5.



Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.



This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
 - Do not cover the slots and openings with a cloth or other materials.
 - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
 - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
 - Install the product keeping the specified distance from the wall (see the information below.)
 - * DLP TVs, Direct View Type TVs, and Projectors → 10cm
 - * Products with 32" or larger displays → 5cm
 - * Other products → 4cm
- Do not place this apparatus near or over a radiator or heat resistor, or where it is exposed to direct sunlight.
- Do not place a water containing vessel (vases etc.) on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately. Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corresponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet. Do not touch the power cord with wet hands.
- If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it
 - unplug it immediately and contact an authorized dealer or service center.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
 - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc. Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
 - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- Do not allow children to hang onto the product.
- Store the accessories (battery, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky shelf, a slanted floor or a location exposed to vibration.
- Do not drop or impart any shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Apparatus shall not be exposed to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**



Avertissement! Consignes de sécurité importantes

(Avant toute installation de votre produit Samsung, veuillez lire les sections correspondant aux inscriptions qui figurent sur ce produit.)

ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION: POUR REDUIRE LES RISQUES D'ELECTROCUTION, NE RETIREZ PAS LE CAPOT (NI LE PANNEAU ARRIERE). A L'INTERIEUR DE L'APPAREIL, AUCUNE PIECE NE PEUT ETRE REPARÉE PAR L'UTILISATEUR. POUR TOUT DEPANNAGE, ADRESSEZ-VOUS A UN SPECIALISTE.



Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.



Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier. Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
 - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
 - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
 - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
 - Installez le produit en maintenant une distance correcte avec le mur (voir informations ci-dessous).
 - * Téléviseurs DLP, téléviseurs de type Direct View et projecteurs → 10 cm
 - * Appareils dotés d'un écran 32" ou plus → 5 cm
 - * Autres produits → 4 cm
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez aucun récipient (vases, etc.) d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'appareil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé. Assurez-vous que le cordon d'alimentation est débranché avant de nettoyer le produit.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées. Veuillez donc contacter les autorités compétentes afin d'obtenir des informations sur la mise au rebut ou le recyclage des piles.
- Évitez de surcharger les prises murales, les rallonges et les prises multiples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince. Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câble.
- Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil, vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil. Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de bien brancher le cordon d'alimentation. Assurez-vous de bien tenir la prise en main lorsque vous la débranchez. Ne touchez en aucune circonstance le cordon d'alimentation avec les mains mouillées.
- Si l'appareil ne fonctionne pas normalement, en particulier s'il émet des odeurs ou des sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit rester inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seuls à votre domicile).
 - L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.
- Veillez à contacter un centre de services homologué lorsque vous installez votre téléviseur dans un endroit très poussiéreux, humide, exposé à des températures élevées ou faibles ou à des produits chimiques, ou s'il fonctionne sans interruption, par exemple dans les aéroports, les gares, etc. Si vous ne le faites pas, vous risquez d'endommager gravement votre téléviseur.
- Utiliser uniquement des prises correctement reliées à la terre.
 - Un sol inadéquat peut causer un choc électrique ou un incendie. (Appareils de CLASSE I uniquement.)
- Pour déconnecter l'appareil du secteur, la prise doit être débranchée de la prise électrique du secteur. Par conséquent, la prise du secteur doit être en état de marche.
- Utiliser uniquement des prises correctement reliées à la terre.
- Rangez les accessoires (batterie, etc.) dans un endroit sûr, hors de la portée des enfants.
- N'installez pas le produit sur une surface instable telle qu'une étagère chancelante, un sol non horizontal ou un endroit soumis à des vibrations.
- Ne faites ni tomber, ni subir de choc au produit. Si le produit est endommagé, déconnectez le cordon d'alimentation et contactez un centre de services.
- Débranchez le cordon d'alimentation de la prise secteur et essuyez le produit à l'aide d'un chiffon doux et sec. N'utilisez pas de produit chimique, tels que de la cire, du benzène, de l'alcool, du diluant, de l'insecticide, du désodorisant, du lubrifiant ou du détergent. Cela peut endommager l'aspect ou effacer l'impression sur l'appareil.
- L'appareil ne doit pas être exposé à l'humidité ni aux éclaboussures.
- Ne jetez pas les batteries au feu.
- Ne court-circuitez pas ni ne désassemblez les batteries et ne les soumettez pas à une chaleur excessive.
- Un risque d'explosion survient si la batterie est remplacée de manière incorrecte. Ne la remplacez qu'avec une batterie du même type.
- **AVERTISSEMENT - POUR ÉVITER TOUT RISQUE D'INCENDIE, VEILLEZ À GARDER CE PRODUIT LOIN DE BOUGIES OU D'AUTRES SOURCES DE FEU.**



- Français -

Advertencia! Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL PELIGRO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL INTERIOR QUE PUEDA REPARAR EL USUARIO. CONSULTE AL PERSONAL CALIFICADO DE SERVICIO TÉCNICO.



Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.



Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria. Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
 - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
 - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
 - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
 - Instale el producto conservando la distancia especificada respecto a la pared (vea la información siguiente).
 - * Televisores DLP, televisores tipo visualización directa y proyectores → 10 cm
 - * Aparatos con una pantalla de 32" o mayor → 5 cm
 - * Otros productos → 4 cm
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque recipientes con agua sobre este aparato (jarras, etc.), ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar). Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un técnico autorizado. Antes de limpiar el producto desconecte el cable de alimentación de la toma de corriente.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales.
 - Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico calificado debe abrir el alojamiento del aparato.
- Cuando conecte el cable de alimentación compruebe que el enchufe esté firmemente insertado. Para desenchufar el cable de alimentación, sujételo por el enchufe y tire de éste para sacarlo de la toma de corriente. Nunca toque el cable de alimentación con las manos mojadas.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo periodo de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
 - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.
- Póngase en contacto con un centro de servicio técnico autorizado cuando instale el aparato en un lugar expuesto a gran cantidad de polvo, temperaturas extremas, alto nivel de humedad y productos químicos, y en lugares donde se vaya a utilizar las 24 horas del día, como aeropuertos, estaciones, etc. El incumplimiento de estas indicaciones puede causar serios desperfectos en el aparato.
- Cuando instale el equipo, procure guardar una distancia de más de 10 cm desde la pared para facilitar la ventilación.
- Use solamente conectores y receptáculos apropiados para hacer la conexión a tierra.
 - Una conexión a tierra inapropiada podría causar una descarga eléctrica o una avería en el equipo. (Sólo equipo de Clase I.)
- Para desconectar el aparato de la corriente, debe desenchufar el cable de la toma principal, por lo que el enchufe principal debe estar siempre fácilmente accesible.
- No permita que los niños jueguen con el producto.
- Guarde los accesorios (pilas, etc.) en un lugar seguro fuera del alcance de los niños.
- No coloque el producto en un lugar inestable, inclinado o expuesto a vibraciones.
- No lo deje caer ni le dé golpes. Si el producto se estropea, desenchufe el cable de alimentación y póngase en contacto con un centro de servicio.
- Desconecte el cable de alimentación de la toma de corriente y seque el aparato con un paño suave y seco. No utilice ningún producto químico como cera, benzol, alcohol, disolventes, insecticida, ambientador de aire, lubricante o detergente. Se puede dañar el aspecto o borrar las estampaciones del producto.
- Evite que cualquier líquido salpique el aparato o gotee sobre él.
- No tire las pilas al fuego.
- No cortocircuite, desmonte ni sobrecaliente las pilas.
- Si la pila no se coloca correctamente se corre el riesgo de una explosión. Reemplace la pila sólo por una igual o de especificaciones equivalentes.
- **ADVERTENCIA - PARA IMPEDIR QUE EL FUEGO SE PROPAGUE, MANTENGA LAS VELAS U OTRAS LLAMAS EXPUESTAS SIEMPRE ALEJADAS DE ESTE PRODUCTO.**



- Español -

Aviso! Instruções de segurança importantes

(Leia a secção adequada que corresponde
à marca no produto Samsung antes de tentar instalar o produto.)

ATENÇÃO

RISCO DE CHOQUE ELECTRICO NÃO ABRA

CUIDADO: PARA REDUZIR O RISCO DE CHOQUE ELECTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASERA) DO INTERIOR DO TELEVISOR. NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELO UTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TÉCNICOS QUALIFICADOS.



Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.



Este símbolo informa-o de que este produto inclui literatura importante sobre o respectivo funcionamento e manutenção.

- As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
 - Não tape as ranhuras e aberturas com panos ou outros materiais.
 - Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
 - Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
 - Instale o produto, mantendo a distância da parede especificada (consulte as informações abaixo).
 - * Televisores DLP, Televisores do Tipo Direct View e Projectores → 10 cm
 - * Produtos com visores de 32 polegadas ou maiores → 5 cm
 - * Outros produtos → 4 cm
- Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
- Não coloque recipientes com água em cima do aparelho (jarras etc.), porque pode provocar um incêndio ou choque eléctrico.
- Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade). Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado. Retire sempre o cabo de alimentação da tomada antes de limpar o produto.
- Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
- Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
- Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
- Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo.
 - Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
- Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
- Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
- Para evitar choques eléctricos, nunca toque no interior do aparelho. A caixa do aparelho só deve ser aberta por técnicos qualificados.
- Introduza o cabo de alimentação completamente até ao fim. Quando retirar o cabo de alimentação, certifique-se de que o segura pela ficha quando puxar a mesma da tomada. Não toque no cabo de alimentação com as mãos molhadas.
- Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares - desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
- Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
 - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.
- Contacte um centro autorizado de assistência técnica quando instalar o produto em locais sujeitos a poeiras excessivas, locais sujeitos a temperaturas altas ou baixas, locais com muita humidade, locais onde se utilizem substâncias químicas e locais onde o monitor esteja a funcionar 24 horas por dia como em aeroportos, estações de comboio, etc. Se não o fizer, pode provocar sérios danos no produto.
- Utilize uma ficha e uma tomada devidamente ligadas à terra.
 - Uma ligação de terra deficiente pode causar choque eléctrico ou danos no equipamento. (Só equipamento de classe I.)
- Deve puxar a ficha da tomada para desligar o aparelho da corrente, de forma a deixar a ficha pronta a ser utilizada.
- Não deixe as crianças mexer no produto.
- Guarde os acessórios (bateria, etc.) num local seguro fora do alcance das crianças.
- Não instale o produto num local instável, como uma prateleira inclinada, um chão desnivelado ou um local exposto à vibração.
- Não deixe cair ou provoque qualquer embate no produto. Se o produto estiver danificado, desligue o cabo de alimentação e contacte um centro de assistência.
- Desligue o cabo de alimentação da tomada e utilize um pano seco e macio para limpar o produto. Não utilize quaisquer produtos químicos como cera, benzina, álcool, diluentes, insecticida, ambientador, lubrificante ou detergente. Tal pode danificar o aspecto do produto ou eliminar a impressão do mesmo.
- Não deixe cair gotas ou salpicos em cima do aparelho.
- Não destrua as pilhas através de fogo.
- Não provoque curto-circuito, nem desfaça ou sobreaqueça as pilhas.
- Existe perigo de explosão se a pilha for substituída incorrectamente. Substitua-a apenas pelo mesmo tipo de pilha ou por uma equivalente.
- **AVISO - PARA EVITAR O ALASTRAR DE UM INCÊNDIO, MANTENHA SEMPRE AS VELAS OU OUTRO TIPO DE CHAMA LONGE DESTA PRODUTO.**



- Português -

Regulatory Compliance Statements

Your Samsung product compliance class is marked in the user manual.

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Korea Communications Commission (KCC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product. Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating. For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap. This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules. (TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

Important Safety Instructions (UL Only)



- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

• Ventilation

Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting and installation.

• ENERGYSTAR qualified model only

- Your Samsung TV is ENERGYSTAR qualified in its factory default settings. Change to certain features, settings and functionality in this TV can change the power consumption, possibly beyond the limits required for ENERGYSTAR qualification.
- As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.



ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

CCC Class A notice - China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者：

這是甲類資訊類產品，在居住環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive(2004/108/EC) and the Low Voltage Directive(2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning

(If the user manual declares the product as Class A, following statement applies.)

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

업무용 방송통신기기 A급기기 (KCC Class A Notice)

이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

가정용 방송통신기기 B급기기 (KCC Class B Notice)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Italian Homologation Notice

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell Art.2, comma 1.

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

- For products produced in countries except European Community

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell Art.2, comma 1.

- For products produced in European Community

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

Mercury Statement (USA only)

Contains Mercury, Dispose According to Local, State or Federal Laws



AA68-03242L-07

SAMSUNG BRAND PRODUCTS

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of: **(90 Days Parts and Labor for Commercial Use)**

Categories	Parts	Labor	Size	Service
LCD/LED TV	1 Year	1 Year	40" and Larger	Carry-In or In Home
			37" and Smaller	Carry-In
Plasma Display	1 Year	1 Year	All	Carry-In or In Home
Projector (Excluding Lamp **)	2 Year	2 Year	All	Carry-In or Pick up
PICO & LED Pocket Projector	1 Year	1 Year	All	Carry-In or Pick up

**** 180 Days after Purchasing and 600 Hours of Use Lamp on Projector**

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

Certain products are eligible for In-home service at Samsung's discretion. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 37" and smaller LCD/LED TV, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

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1-800-SAMSUNG (7267864) – www.samsung.com
1-800-749-0260 : Only Projector

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.



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